



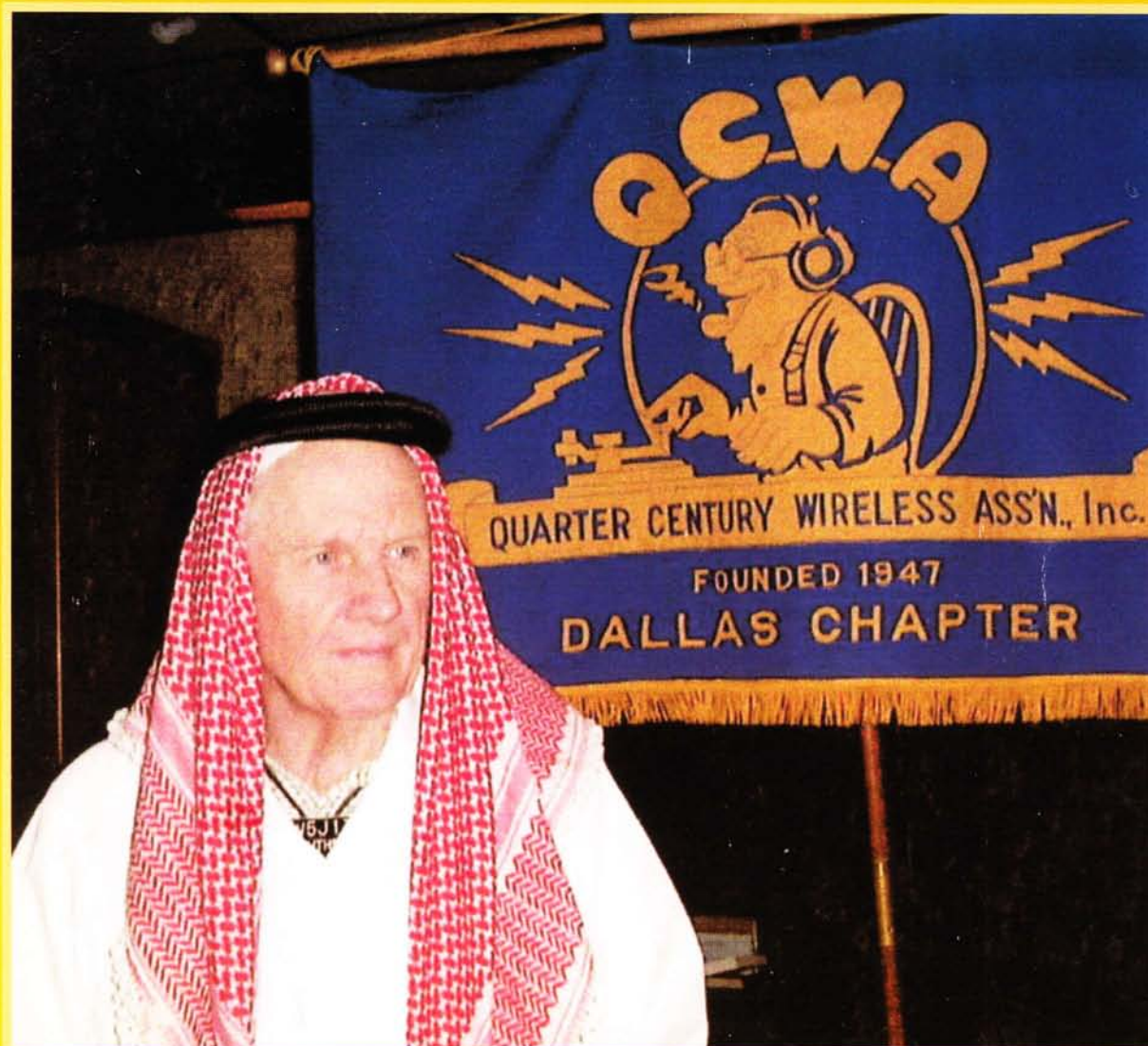
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QCWA Journal

VOLUME L

Fall - 2001

NUMBER 3



Quarter Century Wireless Association
159 E. 16th Ave.
Eugene, OR 97401-4017

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JOURNAL

Fall 2001/Vol. I No. 3

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Cover: Dallas Chapter 41 member Luther Pully W5JIZ, was recently named Special Envoy to the United Arab Emirates by the State Department. Luther has spend many years in the Middle East as a consultant in the microwave communications field.

The 2001 QCWA Convention



A Caribbean Cruise by Chapter 162

Check it out on pages 28 and 29

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Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP (SK)	1994 - 1996
John Kelleher, W4ZC	1996 - 1998

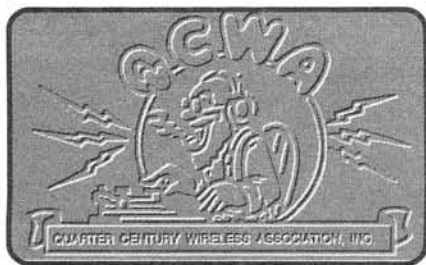
Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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W4GXZ (May 1-October 1),
44 Western Lane, Amherst,
MA 01002 (October 1-May
1), 6002 N. Fremont, Tampa,
FL 33604, 813-870-0867.



The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.



From the President

Gary R. Harrison, KØBC



I am sorry to report the resignation of Don Doughty, W6EEN as QCWA's Treasurer. Don has resigned for health reasons. The Officers and Directors of QCWA appreciate Don's work on behalf of our Association. Thanks Don! The Board of Directors has asked past Treasurer Duke Knief, W4DK to fill in the remaining part of the current term. Duke has agreed to serve again as Treasurer.

I appreciated the cards, letters, email messages and personal comments that I've received concerning the members' input about a new level of membership with less than 25 years of licensing. The Board will be discussing this new level of membership in Miami, FL. I will supply the Board with the comments that I have received as of now and any more that may be sent in prior to the October 26th meeting. You still have time to let me or any of the Board members know what your thoughts are. All of the Officers and Directors email and snail mail addresses are located on page 2 of this Journal. Board members would welcome your comments so please feel free to pass them along.

We had a big change in the QCWA booth at Dayton this year. Due to remodeling of the floor plan, our booth was moved to a new location. We did seem to be more in the "main stream" of traffic at the new location. I don't have the number of members that came by, but it appeared that a lot of members did find us this year. We accepted dues, new member applications, sold QCWA material and welcomed member's comments. I want to apologize to anyone that came by the booth and found the people in the booth too occupied to visit with them. This is a time when some of us get to visit with people we only see once a year at the Hamvention.

I want to remind chapter officials and members to watch the Journal or the web site (<http://www.qcwa.org>) for new members. We attempt to locate a chapter close to all new members when they apply for membership. The new member receives a list of active chapter mailing addresses with their membership material. I know that we signed up several new members at the Dayton and Dallas QCWA booths. Please check the new member list as often as possible and make the new members welcome to the Association and your local chapter. If you don't have a local chapter check the new member list and ask HQ for a mailing list of existing members near you and start a local chapter. It only takes 5 members to create a new chapter.

The cruise date is rapidly approaching! I hope you will be joining us on the Holland America's Westerdam for our Caribbean adventure. If you want more information, call Larry McCalvy, WA9JMO 1-262-639-7327 or email wa9jmo@wi.net for assistance. You can call White Travel Service at 1-800-547-4790 to make your reservation. See you on board!

2001 QCWA Convention Pins are Available

The 2001 QCWA Cruise Convention pins have arrived and are available for Five Dollars each. The colorful pin in the shape of Wisconsin has the year, host chapter - 162 and a cruise ship depicted on its face. There are members who collect the yearly pins who are not able to participate in this event or may want to give the pin as a gift. All the folks taking the 2001 QCWA Cruise will be receiving a pin as part of their cruise package. The late arrival of the pins and the early deadline for this issue prevents the inclusion of a picture in the Journal. Twenty percent of each sale will be given to QCWA Headquarters for a use that is still to be determined. Please send a check made out to QCWA, Chapter 162, in the amount of five-dollars for each pin ordered to:

Larry McCalvy, WA9JMO - 5400 Six Mile Road - Racine, WI 53402-9741

EIGHTY YEARS



Joe Strazzarino W6BWZ

Joe Strazzarino, W6BWZ, 90 years young, was born and raised in the San Francisco, California bay area. He was ten years old when he obtained his amateur radio license in 1921. His first call sign was W6AGQ.

One day Joe came across another ham in Oakland who was also using the call sign W6AGQ. SO Joe visited the local FCC office to see what had happened and a few days later received a notice that the FCC had changed his call to W6BWZ. Joe has held the call ever since.

Joe advised that having his amateur radio license helped him out when he went into the Army by getting him into radar school at Ft. Monroe, VA. Joe continued to live in the bay area until about 1960 when he moved to the Sacramento area. He was an electronics technician working for various electronics establishments.

Joe has always been an active ham and a member of the local radio clubs. He served as a Director of the RAMS and was Treasurer of the North Hills Radio Club for 11 years. He likes building and rag chewing. Joe remains active in nets and on both HF and VHF.

Chapter 169 presented Joe his Service Award Plaque at their Chapter meeting on March 14, 2001.

- by Gary Stilwell, KI6T, Secretary/Treasurer

Call for Papers

As usual, the Editor is appealing for articles. Also interesting photographs, short (or long) anecdotal stories, and "How to do" articles. Don't be discouraged if something is not published immediately since each Journal issue has certain priority information that must be addressed. Then space available determines the articles that will be included.

As of this issue, the Journal repository of articles is nearly empty. Send 'em if ya got 'em.

Gerry

75-Year Awards

Robert Vitzelio W6AEJ



Vi Barrett W6CBA, President of California Chapter 7, presenting a 75-year plaque to Robert Vitzelio W6AEJ.

Dick Shanks W6BZE



Dick Shanks W6BZE (l) is presented his 75-year plaque by Reuben Onstad N6BAS, Chapter 14 Secretary at the May 6, 2001 brunch meeting.

Jim Young W7JL



Joe Prevenza W6UPN chapter president is shown presenting the 75-year plaque to Jim Young W7JL at our meeting held on March 3, 2001.

MONEY Matters

Treasurer Wanted

With the unanticipated resignation of QCWA Treasurer Don Doughty W6EEN due to health problems, the nominating committee has not had sufficient time to search for a new candidate for the upcoming election.

If you have some experience in handling financial matters and are interested in serving the QCWA, please notify

QCWA President Gary Harrison KØBC
or
Jim Walsh W7LVN
as soon as possible



QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
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Tampa, FL 33604
Ph: 813-870-0867
e-mail: w4gxz4@juno.com

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Gen. Manager's Report

Jim Walsh, W7LVN

Here we go again, with some more information from Headquarters. One of the latest developments is our installation of a DSL service for the computer system. What an improvement when it comes to downloading files, especially large picture files. In the middle of all of this we had to move our Home Page to another server. It is now closer to our Webmaster and much more convenient for him to take care of the Home Page. After some weeks, it is now up and running again and looking good as usual.

As I write this it is drawing close to the time of developing the files for a new Directory, which will be as of June 30, 2001. We will place the new Directory on the Home Page about the middle of July 2001, as we have done in the past. As in the past, a CD Rom will be available after that is done. The file will be in Adobe Acrobat in both media.

I would like to call everyone's attention to a web page that our Editor, Gerry Wentz, has and the address is: www.cyberskipdigest.com. This is a neat site with all kinds of good information about your computer usage and programs that may be available.

In this issue I hope we have room to publish the greatest letter we have ever received, from a person that may become a member in 20 years. Also, check out World Radio, July 2001 issue, page 42 where Carole Perry has a great article and talks about QCWA.

73, Jim, W7LVN

COMING EVENTS

45th Annual QCWA QSO Party
October 6 and 7, 2001

MEMBERSHIP ADVISORY NOTICE

In accordance with the By Laws of the Quarter Century Wireless Association, Inc., Article IX, AMENDMENTS, Section 3, the membership is hereby advised of an amendment to Article 1, MEMBERSHIP, Section 2(d). New paragraph 2 is added to read as follows:

2. Life membership shall be granted to a member when 75 years have passed since the member was first issued a license to operate an amateur radio station.

The above amendment will become effective October 1, 2001, at 0001 UTC.

John B. Johnston, W3BE
Chairperson,
Administration Committee
PRELIMINARY DRAFT
April 19, 2001

Memorial Scholarship Fund Donations

NAME	HONORING
Chapter 183	WA1KPO
Chapter 77	K2LOV
Chapter 77	W2OJW
Chapter 202	Member John Bush W4FOD
Chapter 45	K2AGT
Chapter 152	W4NVS, K2VMD & N4DHN
Chapter 53	W4DQW
Chapter 121	
Chapter 126	W4MHF
Chapter 131	N4US
Chapter 51	Sylvia Long & Gladys A Bailey

QCWA Endowment Challenge

Leland W Smith

Estate of K6HVN

2001 QCWA Convention Pins are Available

The 2001 QCWA Cruise Convention pins have arrived and are available for Five Dollars each. The colorful pin in the shape of Wisconsin has the year, host chapter - 162 and a cruise ship depicted on its face. There are members who collect the yearly pins that are not able to participate in this event or may want to give the pin as a gift. All the folks taking the 2001 QCWA Cruise will be receiving a pin as part of their cruise package. The late arrival of the pins and the early deadline for this issue prevents the inclusion of a picture in the Journal. Twenty percent of each sale will be given to QCWA Headquarters for a use that is still to be determined.

Please send a check made out to QCWA, Chapter 162, in the amount of five-dollars for each pin ordered to:

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402-9741

The Endowment Program Gets off to a Fast Start

QCWA has three financial activities. Each of them is separately administered, and the funds of each is separately invested.

The SCHOLARSHIP FUND is QCWA's most important activity. In the past year the income from the Scholarship Fund's investments provided financial aid to 17 college students who are Amateur Radio operators. Since its inception the Fund has provided 203 scholarship grants totaling \$ 156,000.

The GENERAL FUND is used to finance QCWA's day-by-day operations. Dues and other sources of income are channeled into this fund, and are then used to pay the cost of publishing the QCWA Journal, providing the services that Headquarters provides to members and to purchase the equipment and supplies needed for the general operations of the Association.

The new ENDOWMENT PROGRAM was established two years ago in the understanding That QCWA must have a solid financial base for its future operations that is not contingent on cyclical sources of income such as dues. Thus it has been described as "QCWA's 401 (k) Plan".

As of July 1, 2001, the Endowment Program Fund contained slightly more than \$18,000 in invested assets. Here is a status report on where this money came from, and on future prospects for the Program: Endowment Program's successful first two years:

Cash contributions to the Program have totaled more than \$12,000. In addition to the personal contributions that have been acknowledged in the QCWA Journal generous donations have been received from Chapters 73, 142 and 169.

There have been several greatly appreciated donations of state-of-the art electronic equipment to the Program, including, for example, a transceiver from Les Hardie, WA1ELV, which was sold and the total receipts added to the Fund.

In his Will "Frosty" Laughlin, K6HVN, left all of his electronic equipment to the Endowment Program. Local QCWA members arranged for the sale of Frosty's tower, beam, transmitter and other

equipment, which brought more than \$3,500.

In an unprecedented gesture of regard for QCWA Leo Meyerson, W0GFQ, has informed us that he is revising his Will so that the QCWA Endowment Program will eventually receive his very extensive collection of Amateur radio equipment. When displayed at the Western Heritage Museum in Omaha some years ago Leo's collection included over 200 radios!

One of the objectives of the Endowment Program is to arrange for the preservation of any historic electronic equipment that might be given to the Program. To accomplish this objective an agreement has been forged with the Marconi Museum in Bedford, New Hampshire, and similar agreements are being discussed with other museums in the U.S. and Canada. Under these agreements donors may be sure that historic electronic equipment that they might donate to QCWA will be preserved and publicly displayed (with proper credit, of course.)

The Endowment Program suffered one major disappointment. We were Advised by the son of a prominent Florida QCWA member, who had recently passed away, that he wished to donate his father's Amateur equipment, including an extensive array of Collins equipment, to the Endowment Program. After two months of inaction a nearby QCWA chapter finally decided that they did not wish to help dispose of this outstanding station, and the donation offer was rescinded.

As the result of this unfortunate loss QCWA has just reached an agreement with the Collins Collector's Association. Under this agreement the CCA will assist QCWA in disposing of any Collins equipment that might be donated to the Endowment Program in the future.

In summary, the Endowment Program has gotten off to a remarkably good start. Please remember it when you wish to make a donation - now or as a bequest in your Will - of cash or securities, or of state-of-the-art or historic electronic equipment.

Elmers are alive and well

It will be 20 years before I will be eligible for membership in your fine club, but I wanted to write and say a few things about what I consider to be a very fine Organization, QCWA.

It has been my great fortune and pleasure to have one of your members as my Elmer. R.C. Thompson, KF3L, graciously passes on his copy of your magazine along to me each month, which I enjoy tremendously. I will say right off the bat that Elmers are alive and well, and I have been lucky beyond belief to have had the good fortune to have such a superior individual as a Mentor in the finest hobby in my opinion, known to man. I've had a lot of fine hobbies in my 48 years on this Earth, and all take a back seat to Amateur Radio, and to have such an Elmer as R.C. Thompson has been a blessing of incredible proportion.

KF3L, at the age of 63, has been a Ham since the age of 9. He is an Orthopedic Surgeon, who I have the great pleasure of working for, and his training as a Scientist is impeccable. He is a graduate of Cal Tech, and Johns Hopkins School of Medicine, and an incredible teacher who has exercised amazing patience and good will with me as an Elmer. He has never tired of explaining questions of theory to me, and more than anything I am proud that he has taken the time to teach me about the wonderful history and tradition of our great hobby, to such a degree that, even though I have only been licensed five years, I am proud to say that I think more like an old timer than someone who came to Amateur Radio in 1996. If every Elmer in QCWA is like R.C. Thompson KF3L, our hobby is in fantastic shape for the future.

My point in writing, and I hope you will publish this in a

future issue, is to thank you "old-timers" for what you have given to Amateur Radio, and for the sincere love you have for the hobby. CW is my favorite mode, and I get my greatest pleasure in working the real old-timers, those of you in your 80's and 90's. I had the great pleasure of working a 95 year old Gentleman in a nursing home in Warren, Ohio a couple of weeks ago, running an older Icom with a long wire from his window. Conditions weren't very good, and for a change I was on 20m phone instead of pounding out CQ somewhere. When he told me he had been licensed since 1919, I about fell out of my chair at the Operating Position. These kinds of contacts make my day every time I have the good fortune of making them.

I am very active, and am very proud to call myself an Amateur Radio operator, and I hope this old world and I hold on long enough so that I can have the opportunity to be a QCWA member. None of this would be possible had it not been for one of your members, the above mentioned R.C. Thompson, KF3L, and I want to thank him publicly, and congratulate all of the members of this fine club, and encourage you to Elmer anyone who you feel might have an interest in Radio. If you have the attitude of my Elmer, KF3L, your heart is in the right place, and some aspiring Ham out there needs you very badly; technically, and more than that, they need you to teach them the ropes and the importance of doing things the right way and with the proper respect for the hobby and for their fellow Hams. Many thanks to all of you, and God Bless you for all the good things your do. I look forward to joining your fine organization one day.

Richard Donovan N5XM



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

Autumn (Spring, in the South) Conditions

The September-October time frame usually brings some of the best conditions of the year, and with the high level of solar activity these days, 2001 should be another banner year.

The Equinox periods are a time of very even solar illumination of our planet. As a result, everybody has more-or-less the same chance of getting in on the DX fun, and the ionosphere is more willing to cooperate. Gone are the days of high summer-time absorption in the Northern Hemisphere, along with the short days and limited high-band opportunities in the Southern Hemisphere. We experience what I call "Goldilocks" conditions: "Just right."

The six meter band should provide some transoceanic DX opportunities. Although this solar cycle has been quite a big bust in terms of major openings across the Atlantic and Pacific oceans, we will still see a number of what I would call "minor" openings that can bring a fair number of new countries into your log. Europe will continue working Africa on an almost daily basis, and openings between North America and South America will not be unusual around the equinox. The South Pacific will also be occasionally workable from North America, with the southern states particularly likely to get in on the fun.

Ten and fifteen meters will be glorious. Unless conditions are disturbed by a geomagnetic storm, worldwide propagation will be possible from sunrise until well after sunset, and Long Path openings (from North America into Europe/Asia/Africa) will be likely, particularly in the late evening. Follow the sun to follow the propagation: from North America, look for Europe, Africa, and West Asia in the mornings, and East Asia and the Pacific in the afternoon. Southeast Asia will appear around sunset, with lots of juicy DX from places like Vietnam, Singapore, Malaysia, India, Pakistan, and other countries in the region.

Twenty meters will be open to somewhere basically twenty four hours a day. If conditions are disturbed, signals will be weaker, but the high level of background ionization means that conditions improve very fast once a disturbance begins to subside. It's a great time to be on ten and fifteen meters, but twenty is still the workhorse HF band.

Forty and eighty meters will definitely benefit from the more even ionization at this time of year. They will continue to suffer somewhat from a lack activity, as everyone will be on the higher bands, but there will still be lots of DX in the evenings, and signals will be strong!

Antenna Work before Snow Arrives

For those of us who live in "snowy" areas of the Northern Hemisphere, the early-fall time frame is our last chance to get antenna work completed before the ice and snow put our preparation to the test. Here in the southern part of California, of course, "winter" is that time when you occasionally have to wear socks, instead of going barefoot. For everyone else, here are some things to keep in mind as you complete this summer's maintenance on your antenna system.

(1) **CHECK YOUR ROTATOR'S CABLING** Summer thunderstorms may have caused moisture to get into the connectors used in your rotator's cabling. This moisture will almost certainly cause corrosion, which is guaranteed to fail the night before North Korea shows up at a beam heading 90° away from where your beam is currently pointed!

If you have a rotator that has a plug connection, unscrew it and make sure that the pins are all shiny and bright. Don't just clean them up if they're not; find out where the water got in, and make sure it can't happen again. I have a rubber boot over the connector on my G-1000SDX rotator, and I wrap both ends of the rubber boot with electrical tape. Then I use clear silicone sealant around the tape, to provide a tight seal against moisture. I have had this rotator up for fourteen years, and the connections are still shiny and bright.

If you have a rotator that has a terminal strip with exposed contacts, you have a real challenge ahead of you. Many techniques have been tried in the hope of keeping moisture out. Something like a dental mask of rubberized material can be pressed into service, possibly sealed with the aforementioned silicone sealant. The terminal strip is a very high-mortality area of a rotation system, and heroic efforts are sometimes needed to maintain reliability. It frequently is better to seal the terminal strip somewhat permanently after installing a "pigtail" with mating connectors on it; this way, you can always pull the rotator without having to fight your way through whatever "goo" you use to do the sealing.

(2) **CHECK YOUR ANTENNA SYSTEM'S COAXIAL CONNECTORS** Another area where summer thunderstorms can cause mischief is in your antenna system's coaxial connectors. Water that gets in the connectors will degrade the losses in the coax, can degrade the shielding, and will cause a lot of SWR-related grief. TVI and RFI can also increase dramatically when your coax is compromised by weather.

When I weatherproof a "PL-259" connector for long-term use, I first put a separate winding of tape around the very back end of the connector, to seal the backside path for moisture ingress. Then, I wrap the connector tightly, always winding the tape in the "tightening" direction for the connector. Now I'm half-way done.

The next step is to apply a layer of Scotchkote(tm) sealant across the entire taped area. This is wonderful goo, which resembles lightweight tar, and it really does a superb job of sealing the tape. Be sure to get the goo over the entire taped surface, and out past the ends a bit, to lock the tape in place. If you really are expecting a lot of rain, you can put another layer of tape over the Scotchkote(tm), once the goo has dried completely.

(3) **CHECK YOUR ANTENNA SYSTEM'S MOUNTING HARDWARE** Hardware failures can lead to catastrophic system failures, and you have a choice in discovering where these failures are: the "easy" way and the "hard" way. The "hard" way, of course, is when your 40-meter beam comes crashing in through the ceiling in your living room. If this happens, the QRM from

emergency-services vehicles (not to mention your XYL) can easily drown out weaker DX signals that you're trying to hear, so this could be a bad situation.

The "easy" way is to check all the hardware before it fails. Replace any rusted nuts, bolts, and washers with good stainless-steel components, and I like to paint over all hardware (not around insulated antenna components!) with rust-preventing primer, followed by one or two coats of exterior enamel.

Check your rotator's mounting bolts, too. If one or more have come loose; don't just tighten them; make sure that there isn't a crack somewhere in the rotator housing that has allowed the hardware to come loose. Of course, vibration alone can cause loose hardware, but a crack somewhere can cause moisture to get inside your rotator, and that can cause the rotating mechanism to rust in short order. So always check into the "Why?" of a situation, not just the "What?"

While you're at it, ask your radio dealer about one of the "Shock Absorber Plate" accessories available for several of the rotator lines. Basically, this is a separate plate onto which you mount your rotator, which then is mounted on another plate with rubber "bumpers" installed. The "bumpers" absorb the metal-to-metal shock that occurs when your rotator starts and stops, and these plates also allow the exact "attitude" of the rotator to "wander" a bit from vertical, in case there is any minor alignment problem between your rotator and the thrust bearing on top of the tower (you do have a thrust bearing at the top of your tower, don't you?).

If you have a crank-up tower, be sure that the cables and cranking mechanisms are properly lubricated according to the manufacturer's recommendations. This is very important to ensure safe and free operation when the weather gets wet and cold.

Finally, if you have a guyed tower, check all the fittings, turnbuckles, and safety wiring for your guying system. Look for any signs of slippage, weathering, or rust, and replace the affected part immediately. A guy failure can lead to the kind of catastrophic system failure we're trying to avoid!

(4) CHECK YOUR STATION'S GROUND SYSTEM If there ever was a good time to check your station's ground system, it is now, before the ground freezes solid for the winter!

It's a good idea to take off the connector where your braid from indoors connects to your ground rod(s), and clean the connection point thoroughly with steel wool. Put a generous coating of conductive grease around the connection point, and lock everything solidly in place. If the braid from indoors looks bad, replace it!

There is no better time to add one or two ground rods to your station earthing system, and anything you do to reduce the ground resistance will help reduce common-mode problems that can cause RFI headaches. Drive them in to set up a "Y" configuration, and bond the rods solidly, and you'll be set.

Don't overlook the grounding system for your tower. Each leg of your tower should be solidly bonded to the tower's ground rods. If you don't have your tower grounded, lightning will look for a way to get to ground. It will either do so by way of that new \$5,000 transceiver you just bought, taking out the wall of your ham shack in the process, or it may try to dissipate via the re-bar in your tower base; in the latter case, this can cause the base to explode, leading to another catastrophe.

Use these tips to supplement your own customized "checklist" that you go through every Autumn, and you will increase

your chances for an enjoyable DX season when the snow is blowing and the skies are dark!

Try Another DX Band This Year

With the great conditions we're experiencing overall, it's amazing how many of us aren't operational on all the HF bands that are producing great DX.

To be sure, many of us are restricted as to what we can put up, or maybe we're just set in our ways. But it is a shame not to take advantage of all the bands we are blessed with, especially here at the peak of solar activity.

A 24.9 MHz dipole, for example, is not a lot larger than a 10-meter element, at a little under 19' (6 meters) across. A simple dipole on this band will work a lot of DX quickly, as the average level of competition on 12 meters is not that high. And if you're a bit more ambitious, a pair of stacked dipoles could be put up at heights of 40' and 20' (12m/6m), and this would be a very potent antenna, firing in two directions. And the 18.1 MHz band (17 meters) isn't that bad, either, as a pair of stacked dipoles can be installed at 57' and 30' (17m/9m), producing a very big signal on the 17-meter band.

Your big HF beam (if you're lucky enough to have one) can be "Omega" or "Gamma" matched on 30 meters to produce a rotatable dipole. I did this once on my 15-meter Yagi, and it worked great. Adding a small rod and a capacitor in a box is pretty easy!

And you can always put up a ground plane or other simple vertical antenna. If you go to a half-wave design, instead of a quarter-wave, you can avoid the need for radials, and you might be able to position the vertical such that your main tower acts as a reflector, giving you a little gain and some receiving help in the favored direction. You can even use the main tower to help pull the coaxial cable away at a 90° angle form the feed point, if you split the vertical element in the middle.

The 17- and 12-meter bands, especially, are a favored "hiding place" for rare DX stations that just want to enjoy a conversation with someone. DX-peditions also favor these bands, as the QSO rate frequently is much higher than on the crowded 20- and 15-meter bands (we found this to be the case from Z1A1A). And you may just discover a new set of propagation puzzles to unravel, adding to the fun in this magical, mystical world of DX that we all love.

Go ahead. . .try something new! You won't be sorry you did!!

73 for now,
Chip Margelli, K7JA



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Amateur Radio Satellite News



by Keith Pugh, W5IU/VK6BRB, Vice President, Operations, AMSAT-NA,
3525 Winifred Dr., Ft. Worth, TX 76133

AO-40 Recovery and Initial Operations, AMSAT's Future Plans, plus Amateur Radio on the International Space Station

INTRODUCTION -

Since the last issue of this column, the AMSAT OSCAR 40 (AO-40) recovery process has made considerable progress and initial operation through the new "Bird" has been successful. The AMSAT Board of Directors and Satellite Builders have agreed on the scope of the next AMSAT project. Also, the Expedition 2 crew is still on board the International Space Station and activity is picking up. School and general contacts are on the increase including Field Day operations. Packet Radio operations from the Amateur Radio on the International Space Station (ARISS) project are underway.

AMSAT OSCAR 40 -

Initial Operations - After learning to cope with the effects of a "Mystery Force" that occurred only during Perigee, AO-40's attitude was adjusted to an ALON/ALAT of 0/0 and transponder operation was attempted for the first time by the command stations. Operation was so successful that a period of operation for everyone was immediately set up. The U (435 MHz) and L (1269 MHz) band receivers on their high gain antennas were connected to the S2 (2401 MHz) band transmitter on the Helix (low gain) antenna. Operation was immediately successful and Hams all over the World started making contacts through the "Bird." Signal levels were good but "Alligators" soon became evident. This time AO-40 was ready for them with LEILA (English translation - Alligator Killer). LEILA worked as advertised, first warning offenders and then notching them out of the pass-band if they ignore the warnings.

During this same period, operations of the RUDAK digital payload were initiated successfully. The RUDAK controllers loaded software and started checkout of the myriad of digital capabilities of AO-40. So far everything works and RUDAK can be declared a success. Time will tell how we develop uses for all of this capability.

The Yet Another Camera Experiment (YACE) camera that was added near the end of the AO-40 build cycle was successful during the launch and payload separations and again it has been used several times to confirm satellite attitude before orbital alterations. It suffered some minor damage during the December incident but is still very useful.

Tests of the X Band (10 GHz) transmitters and the C Band (5 GHz) receiver were performed with discouraging results. The X Band transmitters do not appear to have any power to them and there is little hope of recovery. The C Band receiver test was inconclusive and will need to be repeated. Testing of the Ka Band (24 GHz) transmitter has not been attempted yet.

Further testing of the V and U band transmitters will be

attempted later. There still appears to be hope for the V band transmitter but the U band is not as encouraging. After two to three weeks of testing and operation from the "sweet attitude" of 0/0 it was time to go on with the remainder of the AO-40 check-out.

Arc Jet Thruster (ATOS) Testing - As you may remember, AO-40 lost the use of its 400 Newton Hydrazine Motor during the December incident. Loss of the large motor increased interest in the Arc Jet Thruster. This small (100 milliNewton) thruster used Ammonia gas in the presence of an electric arc to produce a small amount of thrust, jokingly equated to the amount of thrust produced by a "Mouse Fart," by Dr. Tom Clark, W3IWI. After the December incident, AO-40 was left in a stable highly elliptical orbit with a 300 km Perigee and a 59000 km Apogee. This orbit was stable, but Perigee was uncomfortably low. The low Perigee was also suspected of being a contributing factor to the "Mystery Force" mentioned earlier. Thus it was decided to proceed with testing of the ATOS system while trying to raise Perigee. Attitude was again adjusted to ALON/ALAT 270/0 over a period of time and a plan was laid out to "cold fire" the ATOS at Apogee by simply letting some of the Ammonia Gas escape without the electric arc. This would be a low risk approach to testing at least part of the ATOS system and Perigee would be raised a small amount in the process. This was done and everything appeared to work OK. At this point it appeared feasible to raise Perigee by about 200 km by "cold firing" alone and using only about one-fourth of the available Ammonia so the decision was made to do longer periods of "cold firing" during Apogee to accomplish the intent. It was soon noted (after several orbits) that Perigee had increased from 300 to approximately 850 km and the Ammonia was all gone. The Jury is still out on what happened this time to expend all of the Ammonia, but the 850 km Perigee is a comfortable altitude and studies now show a stable orbit for at least the next 20 years. A side benefit of this is that we no longer have to worry about changing the orbit again, there are no more systems or fuels available to do it. As this is being written, AO-40's Attitude is again being adjusted to ALON/ALAT 0/0 in preparation for extended transponder use.

Testing of the Momentum Wheels is planned in the future, and pending the results of this testing, AO-40 could still become three-axis stabilized for better power budget and link margins, but "don't hold your breath" for this as it could be a long time coming - if ever.

AO-40 Ground Stations - From what we know now, it is time to get your S band downlink set up and you can plan on at least U and L band uplinks. Other uplinks are possible and other downlinks are remotely possible pending results of additional transmitter testing. Indications are that the S band downlink will be a "barn burner" when the S1 transmitter is used on the S band high gain antenna. You should be able to use a 12 to 15

turn Helix, a Loop Yagi, or a small dish for the antenna with any of several pre-amp/down converter combinations for a good downlink. Equipment is available from SSB Electronics, Down East Microwave, and many more commercial and surplus sources. Conversions of MDS TV equipment appear to be the most economical way to go. You will be able to use your existing U band uplink equipment or, if you ever worked mode L on previous satellites, that uplink equipment will also be satisfactory. There is also a good chance that a V band uplink will be available. The world of Satellite DXCC will again be available when this "Bird" opens up.

A new world of digital communications will be available with the advent of the RUDAK capabilities of AO-40. I'll leave this to your imagination for the present time.

AMSAT's Future Plans -

Several months ago, the AMSAT Board of Directors met in Orlando, FL, to discuss plans for future projects. At this conference, a plan was developed to build a new high altitude satellite to supplement AO-40. Based on the "KISS Principal," this satellite would be much simpler than AO-40, have a much shorter development time, and cost much less in terms of both money and AMSAT's Human Resources. The satellite will be designed to ride on the Ariane V Auxiliary Payload Shelf, weigh approximately 100 Kilograms, be spin stabilized, carry largely current technology equipment, and include some digital technology that is currently well understood in the commercial world but is new to Amateur Satellites. No propulsion systems will be included and the satellite will rely on the improved lift capability of the Ariane V launcher for a Geosynchronous Transfer Orbit with a high Perigee. The project will be managed by AMSAT-NA and is targeted for about a three year cycle from concept to launch. Initial feelers have gone out to the launch community and the remainder of the AMSAT Satellite Builders. As a matter of fact, there is a Builders Conference taking place in the Denver, CO, area as this is being written. There is a strong feeling that such a project is needed to keep AMSAT's technical team together and that such a satellite is needed for the good of the Amateur Radio Satellite community. Look for more information on this in the near future.

Of course AMSAT will continue to support educational satellite projects such as MOST, Cube Sats, etc. with technical guidance and advice. Operation support of current satellites, including AO-40, will continue also.

Amateur Radio on the International Space Station -

Our other "New Bird" is progressing well towards it's ultimate capability. The Expedition-2 crew is still aboard the ISS, two of them are Hams. A number of successful School contacts have taken place and general contacts have are becoming more numerous. The Packet Radio Robot is now active; however, the parameters in its TNC need to be re-loaded. Plans have been announced to replace the current TNC with a new one with expanded capabilities. This new TNC has been developed and has been delivered to NASA for launch with the Expedition-3 crew. As this is being written, STS-104 is docked with the ISS and a new Airlock called "Quest" is being installed. Several major additions to the International Space Station have been installed and it is now well on its way to full function and full size. If you don't believe this, watch NASA TV during a mission and see how small the Astronauts look in comparison while working on the spacecraft or check out a visible pass of the ISS. It is now

nearly as bright as Venus. The following data should permit every one to utilize this new satellite:

Call Signs	Frequencies
NA1AA - US	145.990 MHz - Worldwide Packet Uplink
R0ISS, RZ3DZR - Russian	145.200 MHz - Region 1 Voice Uplink
DL0ISS - German	144.490 MHz - Region 2/3 Voice Uplink
Personal Astronaut Call Signs	145.800 MHz - Worldwide Downlink

More emphasis is now being placed on ARISS as the astronauts begin to have more time. This was evident during a recent Amateur Radio Day on the ISS and by Susan Helms' participation in ARRL Field Day from the ISS. Eventually, ARISS station capabilities will be expanded to their full planned function.

Summary -

Last column I ended with the statement "patience is the word!" Now I would say that it is "time for action" on AO-40 and ARISS. New capabilities now exists in these two new "Birds" and they are ready for exploitation. Time will tell the final extent of these capabilities. Keep up with the news and work on your ground station capabilities. In particular, get ready for the "Microwave Revolution" on AO-40 and expansion of educational capabilities with ARISS.

Ed Krome, K9EK, has updated his book "Mode S - The Book - 2001 AO-40/P3D Update" with the latest information needed to help you get active on AO-40. This book is available from AMSAT for a reasonable donation. The latest news on AO-40 is available on <<http://www.amsat-dl.org>> in both German and English. Latest ARISS information is always available at <<http://ariss.gsfc.nasa.gov>>. See you next quarter!

73 - Keith Pugh W5IU
AMSAT-NA VP of Operations

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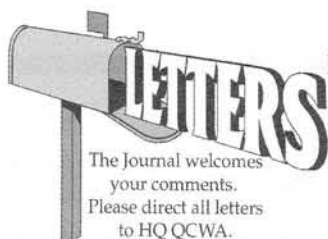
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With Pockets



The Journal welcomes
your comments.
Please direct all letters
to HQ QCWA.

Brotherly Love

Dear OM,

I served for ten years in the Coast Guard and Navy, both before and during WW2. My brother Bill volunteered for the Tank Corps.

He died a hero's death in command of Co. E during the drive on Cologne near Elsdorf, Germany.

He was awarded, posthumously, the Silver Star and 2 Purple Hearts, passing away on February 27, 1945.

Had he returned to America on sick leave, he just might have lived on, but he "bummed" a ride from his English hospital to the front to rejoin his men in action.

I'll remember and honor his name until I die.

You are doing a great job of handling these items and we hams should all be grateful.

Jack Farrington W6DGF of Orange, California



Wild and Crazy Guy!

Letter writer Jack Farrington W6DGF poses with his Suzuki motorcycle on his QSL card. He's been ridin' since 1940 and hammin' since 1937



Editor's Corner

Bid bye bye to the dog-days of Summer. That's not too easy for me to say as I write this in August living in the tropics of Florida. The temperature has been hanging in the mid 90's and I am suffering 2nd degree burns to the bottom of my feet after stupidly electing to walk out to my mailbox, at the end of a concrete driveway, in my bare feet. After traversing about 25 of the 40 feet to the mailbox, I quickly decided that completing the round trip was not an option on the near molten concrete. Jumping on the grass, while well kept and attractive, harbors things called sand spurs, no larger than a BB, and adorned with hundreds of sturdy spines that easily pierce the skin then break off. Sand spurs bring prolonged agony because when one walks with an embedded mess of spurs, they wiggle and bore, and can reduce a grown man to tears. Removing them requires the assistance of an electron microscope.

I opted for the 25-foot dash, attempting to run without my feet touching the ground.. For your information, it was close to the world's record. So, for those of you who envy the folks living in Florida, think again because it's not without its pitfalls. On the other hand, with the arrival of Fall, Florida residents don't have to start thinking about snow tires and antifreeze, not to mention astronomical heating bills.

The submission of articles for publication has fallen off again so I am making my periodic appeal. There were several very short items but the Journal will be in need of more for the future. I would hate to have several pages saying "This page left blank intentionally" or simply "Notes" since these roughly translate to, "We didn't have enough material to fill all the pages so we left them blank."

Despite a shortage of more lengthy articles, the Journal managed to piece together another issue that will hopefully "tickle your fancy". The next issue may include a report on the QCWA Inaugural Cruise/Convention if some of the attendees take a few minutes from the whirlwind of activities to snap a few pictures and jog down a couple of notes. The Editor has heard rumors that interest in this year's convention/vacation has been outstanding so it should be an exciting experience for all.

Just remember - Don't walk on the hot deck in your bare feet!

THE QCWA MEMORIAL SCHOLARSHIP PROGRAM

By Leland Smith, W5KL

One of the several purposes of QCWA in its Constitution provides for a scholarship fund for worthy college students who are radio amateurs. In 1977, QCWA member Cress Donbar, K4YL, proposed a Trust Fund be established for assisting radio amateurs pursuing college educations. The Board of Directors established the Fund and in 1978 appropriated \$500 to initiate the Fund. Since then all additions to the Fund have been contributed by QCWA members, relatives, others and chapters.

The first QCWA scholarship was awarded in 1979 in the amount of \$500, followed by \$750 and \$900 scholarships in 1979 and 1980.

Because of his interest and enthusiasm, Leo Meyerson, WØGFQ, was appointed by the Board to oversee the program and under his leadership and promotion, the invested Fund increased each year by contributions. The program later became known as the QCWA Memorial Scholarship Fund because most of the contributions were being made in memory of QCWA members who had become Silent Keys.

The first substantial contribution to the Fund was made in 1984 from the estate of Robert Cresap, W9LRI, in the amount of \$5,000. The QCWA Board established an ongoing scholarship from the invested earnings of the contribution and has made a cash award in Robert Cresap's memory almost every year for the past fifteen years. Other substantial contributions have followed and each year QCWA awards cash scholarships in memory of or in honor of generous individual contributions by QCWA members or their families. In each case scholarship awards are offered in those years when earnings on the invested principal become available.

As the invested fund increased each year because of additional contributions, the number and amounts of scholarships offered each year have likewise increased. In 2001 earnings on the Fund resulted in sixteen (16) cash scholarships of \$1,000 each being awarded to worthy radio amateurs pursuing college level courses leading to degrees. QCWA scholarships are offered to radio amateurs irrespective of license class, place of residence, course of study or type of degree sought.

None of the invested Fund or earnings are ever diverted for administrative costs in administering the program. Investments of the Fund, accounting, internal paper work and recommendations for annual scholarships are all accomplished by volunteers. The non-profit Foundation for Amateur Radio administers the actual awarding of scholarships and transmits award checks to successful applicants at no cost to QCWA. In December of each year, FAR announces the scholar-

ships offered by the amateur organization it serves. QCWA members and chapters are urged to publicize the FAR announcement early each year and recommend applicants who apply for QCWA scholarships. Scholarship applications are not stocked by QCWA but must be requested by the applicant early each year from:

FAR Scholarships Post Office Box 831 Riverdale, MD 20738

After FAR has awarded our QCWA Scholarships, pictures and a short story about each of the recipients are published in the QCWA Journal. It is heartwarming to see these pictures and read their plans for the future. Some of these young people may become QCWA members later in life. More important is that we in QCWA have made a small but lasting investment in the future of our country.

Every cent contributed to or earned by the invested Fund is used to offer scholarships. Because of the manner in which the Fund has been established and operated, it could well extend into perpetuity. If QCWA is ever dissolved the Fund and unexpended earnings must be transferred to a charitable organization for the purpose of continuing the scholarship program.

Economic times have changed drastically since most QCWA members became eligible for college educations. For many of us, college educations were for the more fortunate high school graduates whose families could afford the tuition. The requirement for a college education was not great because much of the work force was involved in repetitive manual operations which did not require higher education. Not so now. With so many opportunities for college graduates and fewer unskilled labor jobs needed, a higher education is almost a necessity for the standard of living most young people dream of today.

The QCWA Memorial Scholarship Program is one of the most rewarding things we do for amateur radio. It is something of which all of us can be proud. What better way could we memorialize our Silent Keys than to contribute to the future welfare of the radio amateurs who will be replacing us? What better way could we express our thanks for amateur radio in our lives than to include a bequest to the QCWA Scholarship program in our estates? I hope our members and chapters will increasingly remember Silent Key relatives and friends with contributions to the Scholarship Fund. QCWA is an IRS 501(c)(3) tax exempt organization and contributions to the Fund are federal tax exempt under IRS Section 501(c)(3) code. All contributions should be made directly to the QCWA General Manager in Eugene, Oregon, where they will be acknowledged and deposited to the Fund.

2001 FAR SCHOLARSHIPS ANNOUNCED

QCWA Named MEMORIAL Scholarships - 5 at \$1000 each

Ralph Hasslinger(W2CVF) Charter Member Scholarships

Robert C. Mate, KB8VXJ - North Olmstead, OH

Donald & Phyllis Doughty Family Scholarship

Jason M. Marshall, KB1CZE - Monticello, ME

Travis Baird (K9VQD) Memorial Scholarship

Jeffrey S. Bennett, K1JSB - Jaffrey, NH

Max Jacobson-John Kelleher Family Scholarship

Aaron D. Drake, KBØVKZ - Springfield, MO

Leo Meyerson Family Living Scholarship

Christopher M. Losito, KB9SDX - Granite City, IL

QCWA Memorial Scholarships - 11 at \$1000 each

Therese G. Long, KC8PEZ - Imlay City, MI

Melissa Schweikhart, KB8EPO - Springboro, OH

Deborah E. Bennett, K1DEB - Jaffrey, NH

Nathan L. Friedman, N9QZJ - Bloomington, IN

Kelly M. Lenzion, KC8JUX - Fowlerville, MI

Michelle R. Sciarini, KB8ILX - Dover, OH

Stavros A. Tsiakkouris, 5B4AFM - Nicosia, Cyprus

Kevin R. Stockton, N5DX - Harrison, AR

Kathy E. Hufford, KF4CJR - Woodbridge, VA

Nathan J. Ott, KG4JER - Inverness, FL

Mark A. Pettus, KE4ESF - Delta, AL



The Rules Say...

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

This column is devoted to answering QCWA members' questions about the current USA regulations for the amateur radio service. Part 97 of the FCC rules is contained in the document Title 47 — Telecommunications - Code of Federal Regulations Parts 80 to End. A copy may be purchased from the Government Printing Office or downloaded from http://www.access.gpo.gov/nara/cfr/waisidx_00/47cfr97_00.html. The current version is dated October, 2000. Questions, call signs and incidents mentioned herein are for explanatory purposes only.

YOUR DUTIES CHECKLISTS

You can use the following checklists to help make certain of your compliance with your duties before causing an amateur station to transmit over-the-air. They group your various duties into:

- * Your duties as a station licensee

- * Your duties as a control operator For complete information, see Parts 0, 1, 17 and 97 of the Federal Communications Commission ("FCC") rules in the Code of Federal Regulations <http://www.access.gpo.gov/nara.cfr/cfr-table-search.html>. At the Available CFR Titles on GPO Access site, page down to Title 47, Telecommunications. Select the latest edition that contains the rule part of interest. Then click on CONTINUE. Failure to carry out your duties in compliance with regulations contained in these rule parts can result in penalties and loss of your license grant.

Most of your obligations are stated in Part 97, the only part that is devoted exclusively to the amateur service. In Part 0, there is a listing of the location of the FCC monitoring facilities for which no station's transmissions may cause harmful interference. Part 1 contains the procedures that FCC radio service licensees must follow to comply with the National Environmental Policy Act of 1969. Part 17 contains the requirements for any station antenna structure located near an airport or more than 200 feet above ground level.

The FCC grants four types of amateur station licenses: primary station, club station, military recreation station and RACES station. This grant assigns your unique station call sign. It does not authorize operating privileges. Operator privileges are authorized in the rules only to control operators who have been granted an amateur operator license and to non-U.S. citizens who are eligible for reciprocal operating authority under Section 97.107. Often overlooked is the fact that the license trustee of a military recreation or RACES station does not have to be an amateur operator license grantee. The license trustees of such stations, therefore, may not have passed a qualification examination and may not even be aware of their obligations. When serving as the control operator of such a station, make sure that the license trustee is aware of, and has properly carried out, the duties in your station licensee checklist.

Your station licensee duties

Make certain that your amateur station license grant shows your correct name and mailing address in the United States. See Section 97.23.

- * Your license grant appears on the FCC Universal Licensing System ("ULS") consolidated licensee data base. See Section 97.5(a). Unless and until your license grant appears on the ULS

consolidated licensee data base, your apparatus is not authorized to transmit on frequencies allocated to the amateur service.

- * This obligation does not apply to stations authorized for alien reciprocal operation. See Sections 97.5(c), (d) and (e). The FCC does not maintain a data base of stations or persons in the United States operating under any of the reciprocal arrangements.

Maintain physical control of your station. See Section 97.5(a).

- * You must control access to, and the use of, your station's apparatus at all times.

- * While your station is under telecommand, protect it against making, willfully or negligently, unauthorized transmissions. See Section 97.213(c).

- * While your station is under telecommand, it must have provisions to limit transmissions to three minutes should your control link fail. See Section 97.213(b).

- * While your station is under telecommand, have posted at the station a copy of your station license and a label with information on how you and your station control operator can be reached. See Section 97.213(d).

- * There is no requirement that you own your station's apparatus.

- Select your station location. See Section 97.5(a).

- * You do not have to own or lease the property where your station is located.

- * Your station is authorized to transmit from practically anywhere the FCC regulates communications.

- * In ITU Region 2, the FCC regulates communications within the territorial limits of the 50 United States, District of Columbia, Caribbean Insular areas [Commonwealth of Puerto Rico, United States Virgin Islands (50 islets and cays) and Navassa Island], and Johnston Island (Islets East, Johnston, North and Sand) and Midway Island (Islets Eastern and Sand) in the Pacific Insular areas.

- * In ITU Region 3, the FCC regulates within the Pacific Insular territorial limits of American Samoa, Baker Island, Commonwealth of Northern Mariana Islands, Guam Island, Howland Island, Jarvis Island, Kingman Reef, Palmyra Island and Wake Island.

- * Your station may operate in ITU Regions 1, 2 and 3 on or over the high seas in areas where the amateur service is not regulated by a foreign government or by an agency of the U.S. Government other than the FCC. See Appendix 1 to Part 97. At least five agencies of the United States have authorized amateur stations in non-US territories where there is a U.S. presence. For instance, the U.S. Navy and the National Science Foundation

have authorized U.S. amateur stations in the Antarctic. The other agencies are the Department of Interior, U.S. Air Force and U.S. Army. Although the FCC has made available small blocks of U.S. amateur station call signs to these agencies, the FCC does not regulate such stations nor does your FCC license grant, by itself, necessarily authorize operation in these places.

* Do not locate your station within one mile of an **FCC monitoring facility**. Section 97.13(b) refers to Section 0.121(c) where the specific geographical coordinates for each facility are given: Allegan, MI; Anchorage, AK; Belfast, ME; Canandaigua, NY; Douglas, AZ; Ferndale, WA; Grand Island, NE; Kingsville, TX; Laurel, MD; Livermore, CA; Powder Springs, GA; Sabina Seca, PR; Santa Isabel, PR; Vero Beach, FL; and Waipahu, HI.

* Do not locate your station on land of environmental importance or that is significant in American history, architecture or culture unless you have reviewed and taken any actions prescribed by Sections 1.1305-1.1319. See Section 97.13(a).

Notify the FAA and register with the FCC when your station antenna structure exceeds 200 feet above ground level at its site. Section 97.15(a) refers to Part 17 where the procedures for notification and registration are specified. Follow the procedures in Part 17 when your structure is located near a heliport or public-use airport.

* Section 17.7(b) describes an imaginary surface above which notification and registration filing is required. It extends outward and upward at one of the following slopes:

* **For a heliport**, the slope is 25:1 for a horizontal distance of 5,000 feet from the nearest landing and takeoff area. For example, a 60 foot structure can be no closer than 1,500 feet from the pad area without filing.

* **For a small airport** (longest runway length no more than 3,200 feet), the slope is 50 to 1 for a horizontal distance of 10,000 feet from the nearest point on the nearest runway. For example, a 60 foot structure can be no closer than 3,000 feet from the runway without filing.

* **For a large airport** (any runway length more than 3,200 feet), the slope is 100 to 1 for a horizontal distance of 20,000 feet from the nearest point on the nearest runway. For example, a 60 foot structure can be no closer than 6,000 feet from the runway without filing.

Obtain approval from the master of the ship or pilot in command of the aircraft on which you intend to install your station. See Section 97.11(a).

* Make certain that the station complies with the interference requirements in Section 97.11(b) and the hazard provisions in Section 97.11(c).

Determine the peak envelope power ("PEP") input to the station antenna for each frequency band where your station will transmit.

* For any band where the PEP exceeds that listed in Section 97.13(c)(1), reduce power or perform the routine RF environmental evaluation prescribed by Section 1.1307(b).

* Where the radiated fields could exceed the limits for such exposure to humans, take action to prevent such exposure.

Make certain that your station is operated in compliance with FCC rules. See Section 97.103(a).

* Configure and operate your station depending upon your interests, your resources, your ingenuity and your good judgment.

* There are no "how to" requirements in the rules nor does the FCC pre-approve amateur station systems.

Provide at least one control point for your station. See Section 97.109(a).

Provide a radio or wire line control link between the control point and the station when your station is under telecommand. See Section 97.213.

* Incorporate provisions to limit transmissions to three minutes should your control link fail. See Section 97.213(b).

* Post at the station a copy of your station license and a label with information on how you and your station control operator can be reached. See Section 97.213(d).

Maintain station records.

* Include as a copy of your license grant document, your control operator designation records, your RF environmental determinations and evaluations, records as may be required by an FCC Engineer in Charge, and other documents relating to your station's operation.

Make your station and its records available for inspection by an FCC representative. See Section 97.103(c).

Designate your station's control operator. See Section 97.103(b).

* The FCC presumes that you are the station control operator, unless there is documentation to the contrary in your station records. See Section 97.103(b).

Your control operator duties

Your class of operator license grant determines your operating privileges. Although it is issued with your primary station license grant, it is a separate license. Make certain that:

You are designated by the station licensee as the control operator of the station. See Section 97.103(b).

You are situated at the control point for the station while it is being locally or remotely controlled. See 97.109(b).

You select the station's transmitting channel from those frequency bands authorized to your class of operator license. See Section 97.301.

* Make your selection such that the transmissions do not cause interference to any radio communication or signal. See Section 97.101(d).

* Select the emission type from those authorized for the transmitting channel. See Section 97.305.

You prevent the station from transmitting on any channel being used by stations engaged in providing emergency communications. See Section 97.101(c).

The station identification announcement is performed properly. See Sections 97.119 and 97.115(c).

The station makes no prohibited transmission. See Section 97.113.

The station does not transmit any message for a third party to any station within the jurisdiction of any foreign government whose administration has not made arrangements with the United States to allow such communications. See Section 97.115.

The station does not transmit any communications to a station in a foreign country whose government has given notice that it objects to such communications. See Section 97.111(a)(1).

The station's transmissions to a station in a foreign country are in plain language and are limited to messages of a technical

Concludes on next page

"The Rules Say" - Continued from page 15

nature relating to tests and to remarks of a personal character so unimportant that use of a public telecommunications service is unjustified. See Section 97.117.

The station is operated in accordance with good engineering and good amateur practice. See Section 97.101(a).

The station uses the minimum transmitter power necessary to carry out the desired communications. See Section 97.313(a).

When participating in a message forwarding system, the station discontinues forwarding any communications that violate the rules in Part 97, once you become aware of their presence.

* When the station is the first forwarding station in the system, make certain that communications are accepted from only stations whose identity you have authenticated. See Section 97.219.

Your duties to the amateur service

In addition to our regulatory obligations, we all have personal obligations to the amateur service community. You should, at the very least, maintain an interest in technological developments and operating trends in the amateur service. Your unique interest is one of the reasons for having an amateur radio service. It is, moreover, the very reason why you do not have to prove by examination your ability to operate an amateur station properly when you apply for renewal of your license grant. It is in your best interest to make sure that your communications are an asset to the amateur service. Set a good example for others to follow by being courteous on the air. You might do what you can to discourage disruptive behavior by other operators. You should, however, stop well short of becoming still another part of the problem.

Retired station call sign

Q. Ralph Hasslinger, W2CVF, asks: Is there any way my call sign can be retired when I become SK? I am the original holder since it was first issued in 1922.

A. Ralph, thank you for your excellent question! You are one of the charter members of QCWA and a long time ardent promoter and supporter of the objectives and purposes of QCWA. No, there are no provisions for retiring a call sign. After two years, amateur operators and club station license trustees can apply for them. See Section 97.19(c)(3) of the FCC rules. Amazingly, the vanity call sign system allows close relatives to have the say as to whom our call signs will be assigned, post mortem. If one of our close relatives is an amateur operator of the required class, that person can request our call sign just as soon as we become SK. Also, a close relative can consent to a club station license trustee making application for our call sign, in memoriam.

Perhaps you could arrange for a close relative to someday give consent to your home Chapter #23 of having the privilege of obtaining your call sign in memoriam. The rules do not place a limit on the number of club station license grants that a club can hold. Each license grant, however, must be justified. There should be no doubt in your case. You have been a part of amateur radio from almost the beginning. You helped make possible the many wonderful communications systems we have today. It seems but fair that you should have the first say as to which radio club eventually obtains W2CVF. Your inquiry has energized me to work toward a change in the vanity call sign system such that we be allowed to speak for ourselves ante mortem about our call signs being obtained by a club.

If you have a question about the FCC rules for the amateur service that would be of general interest to our readers, e-mail to John@Johnston.net or postal mail to the byline address.

Some Trivia



Most of you are quite familiar with Hiram Percy Maxim W1AW who founded the ARRL in 1914. Perhaps you've learned in perusing the many biographies of his life and contributions to amateur radio, you chanced upon the fact that he was the inventor of the silencer (for firearms, not static).

But did you know that his father Hiram S. Maxim was the inventor of a device that led to the death of millions of people? "Dad" Maxim invented what is known today as the machine gun. For this he was knighted by Queen Victoria and became quite wealthy.

Unfortunately he became enamored with electric lighting and his experimentation led to the formation of the United States Electric Lighting Company. In the meantime, another prodigious inventor by the name of Thomas Edison was also experimenting with lighting. Both Maxim and Edison filed for patents with Maxim's patent application preceding Edison's by one day. However, the powers that be awarded the patent to Edison. Maxim was infuriated. Maxim spent the rest of his life obsessed with his rival Edison and died in relative obscurity in 1916.

If the price of an authentic autograph has any relevancy, a check at North Shore Manuscripts shows that a signature card for Hiram S. Maxim has an asking price of \$75 while a letter initialed with the letter "E" by Thomas Edison - indicating that he had read the letter, is offered for \$400. An Edison signed letter can be had for \$1100. Topping the list is the signature of Louis Pasteur for \$2500.

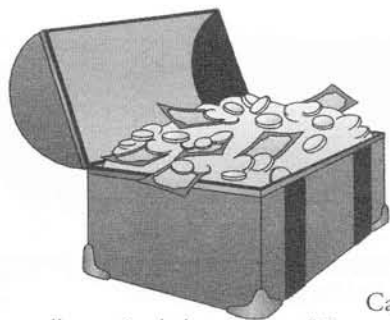
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Ref. Slade, Joseph W. The Man Behind The Killing Machine. Great Inventions. Compton's Encyclopedia



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QCWA Treasure Chest of Valuable Resources

proudly received the Marconi Chapter 138 of the QCWA. She stated that she has always enjoyed meeting with different chapters across the country through the years. Her first encounter was with good friends of chapter 138, Phil Petersen, W2DME (SK) and Carl Felt, N2XJ (SK). They both were always extremely supportive of her Amateur Radio school program and taught her a very important lesson. Through her association with these wonderful gentlemen, she learned that combining the wisdom and experience of age with the curiosity and enthusiasm of youth is a winning combination.

Through the years many QCWA members have come into her classroom and worked with her 6th, 7th, and 8th graders. She noted that the QCWA is a veritable treasure of valuable resources. The sharing of knowledge and experience these members can bring to a classroom is an invaluable tool. She stressed her strong beliefs about her school Ham radio program being taught as a class and not as a club. Her philosophy has always been to get as many young people as possible into a course that is both unique and exciting. Her classes are not licensing classes. The

Carole Perry, WB2MGP, "Elmer of the Year" award from the QCWA. She stated that she has always

curriculum motivates students to learn social studies, geography, math, and science skills on a need-to-know basis. Ham radio in the classroom had something to offer every student.



Carole Perry, WB2MGP accepts the Elmer of the Year Award presented by President Michael DiPersio KC2Q, of Chapter 138 of the QCWA at their annual Dinner-Dance Social. Looking on is Elmers' Awards Chairman Walter Prang KZ5WP

Over the past 22 years, more than 19,000 children have come through the radio program at Intermediate School 72 in Staten Island, New York. Certainly, not everyone becomes a Ham, but the children look forward to the class and discover that school can be fun and challenging experience.

QCWA members should try to locate science teachers who would invite them to do radio demonstrations in their class. She suggests they contact the local PTA groups and volunteer to be guest speaker at meetings. Let parents and teachers know that Amateur Radio program can be the best thing that ever happened to their school. She noted that for our hobby and service to grow it must constantly

be vigilant and always be dynamic. The QCWA can play a tremendous role in imparting all the traditions and experience of the past to the many newcomers of all ages that we hope to be attracting into Amateur Radio.

(Bernard Ricciardi, Sec Chapter 138, wb2ejr@arrl.net)

The Booming Voice from Canada Bill Savage VE6EO - SK



One of the pioneers of amateur radio in Canada, Bill Savage VE6EO, recently passed away in Lethbridge. Bill was the founder of Wild Rose Chapter 151 in Alberta, Canada and had previously belonged to the Montana Treasure State Chapter 104. Many remember him as the "booming" signal on the Sunday net and unbeknownst to many, was blind.

He was a long time resident of Lethbridge and an amateur radio operator for nearly 64 years. His interest in amateur radio started in 1921 after he built a crystal receiver and a spark transmitter using a Ford spark coil.

Bill Savage and five others founded an amateur radio club in

Lethbridge and named it the Southern Alberta Amateur Radio Club (SAARC) and was elected president, a post he held for four years.

In 1946, Bill was appointed the QSL manager for Alberta by the ARRL. He served Alberta amateurs in that capacity for 18 years until 1964. Later in 1956, Bill was elected Canadian Vice Director of the ARRL and held the position for 4 years.

In 1984, he organized the Wild Rose Chapter 151 in Alberta, Canada and was president for 6 years. At the end of his term, he was presented with a Certificate of Merit and a Life Membership in the QCWA.

In 1992, the Southern Alberta ARC that he founded celebrated its 60th birthday and at a special meeting, the club presented Bill with a plaque honoring him for his long service to the organization.

For many years, Bill Savage supplied the engraved name badges for members of the Canadian Amateur Radio Association (CARA).

Marconi Memorial Gold Medal of Achievement

Pioneering efforts of wireless operators aboard ships, in the military, and in shore stations established the practicality of radio communications which led to the birth of radio broadcasting.

The Veteran Wireless Operators Association (VWOA) was founded in 1925 to foster fellowship among this elite profession. VWOA is now in its seventy-sixth year.

At their annual awards banquet, the VWOA honors individuals for their contributions to communications. At this year's banquet QCWA member Ray Minichiello W1BC, who established the Guglielmo Marconi Foundation and the U.S. National Marconi Museum (see page 42 QCWA Journal Spring 1998 issue), was awarded the "Marconi Memorial Gold Medal of Achievement". The following tribute to Ray's impressive career was published in the VWOA 2001 Yearbook:



Ray Minichiello W1BC

Ray was born on April 9, 1917 and encouraged by his father who was a wireless engineer at General Electric, Ray developed a fondness for CW. By the age of ten, Ray could copy CW at over 20 words-per-minute. A few years later as a fifteen-year-old Junior at Revere High School in Revere, Massachusetts, he earned his First Class Radiotelephone, Second Class Radiotelegraph, and amateur radio licenses. Immediately following his seventeenth birthday, Ray enlisted in the U.S. Naval Commu-

nication Reserve as a Radioman 3rd Class. This volunteer group was a wing of the Naval Reserve, but received no pay or entitlements except when on active duty. Ray's first experience as a Navy operator was during weekend duty on an Eagle Boat 19 -a submarine chaser left over from the First World War. The radio shack was only large enough for one man to sit down. It was only at station NAB, the First Naval District land station at Charlestown Navy Yard and the Naval Air Station at Squantum that Ray experienced the luxury of the "operating Navy".

Occasional active duty supplemented income to pay tuition at Tufts College, where Ray earned a B.S.E.E. He joined General Electric in 1940 in the Aircraft Department but left to respond to the call of active duty shortly after Pearl Harbor. His service ranged from reserve status on the U.S.S. Wasp, a CV-7 carrier launched at nearby Quincy, to active service throughout the Pacific. Ray was later involved in setting up Class A primary radio schools. Following deactivation, Ray remained in reserve status

until retiring in 1969 with the rank of Lieutenant Commander.

In 1946 Ray returned to GE as a Project Engineer in the program at White Sands Proving Grounds that worked with the captured German V-2 rockets. With the cooperation of Werner von Braun and the German engineers who volunteered their services, the group assembled, tested and launched V-2 rockets in upper air research and controlled studies. Here Ray participated in the "Bumper" launch of a piggy-back rocket to a record-setting height of 200 miles above the Earth's surface. At this time Ray developed a means of missile control and cut-off using FM technology.

In 1954 Ray moved to the Communications Products Division of GE as a District Engineer in Boston. Highlights of his GE career included being named New England Manager, establishment of the European office in Wiesbaden, Germany, and being named Manger of Product Planning in Lynchburg, Virginia. Ray's projects included the GE line of FM base stations, mobile and personal products, and the first all-transistorized handheld and "Porta-Mobile" line of products. Ray retired from GE in 1970.

Unwilling to sit, Ray joined Lapp Company as CEO. This firm, located in Wakefield, Massachusetts, manufactured SSB equipment for government applications. Ray retired from Lapp after 23 years in 1993.

In 1995, Ray acquired a building from the Town of Bedford, New Hampshire and established the Guglielmo Marconi Foundation and U.S. National Marconi Museum. The Foundation is dedicated both to educating the young and providing an opportunity for the older to reminisce. For this work, Ray received an honorary Ph.D. from Northwestern University. The foundation has centenary events planned in 2001, 2002, and 2002 to celebrate Marconi's first communication across the Atlantic.

Ray is a member of many professional, Navy, historical, and radio associations and the recipient of a host of awards. He is a registered professional engineer and the author of many technical papers. He is an active radio amateur with the callsign W1BC.



Book Review

New! Easy to download! Third Revised Edition of The Art and Skill of Radio-Telegraphy!

William G. Pierpont's "The Art and Skill of Radio-Telegraphy", new Third Revised Edition, dated July 19, 2001, has just been released in Microsoft Word and Adobe Acrobat pdf form via the download site, <http://www.qsl.net/n9bor/n0hff.htm>. This edition contains miscellaneous corrections to the previous version, and most significantly, adds a High-Speed Appendix, with fascinating interviews and stories of what can be done, and how to do it. This is truly the definitive book on the subject of radio-telegraphy. As Bill points out in the document, "The art and skill of telegraphy is unique. The psychologists who have seriously studied those who have developed this skill have been fascinated and challenged to try to understand it. Isn't the very idea of being able to communicate your thoughts to another by means of intermittent tones something intriguing in itself?" And, he also says, "It is my hope that you, as the reader, will find it both interesting and useful. I make no claim that it is complete, perfect or final, or that it contains everything of possible value or interest. I have had to leave out some interesting items, especially of history. Perhaps some of these, plus anything you, as reader, may wish to contribute, could be added in further editions. This book may be freely reproduced and published, but only on a no-profit basis in order to make it as widely available as possible to those who need it..." The book will be made available in many forms in the days to come. The decision has been made to make the book downloadable so it can be read off-line, as well as printed, by the computer user. This obviates the need for an HTML edition as was previously available.

- submitted by Fred Adsit, NY2V, July 19, 2001

The Journal is available free to blind paid-up members on audio cassette tape.

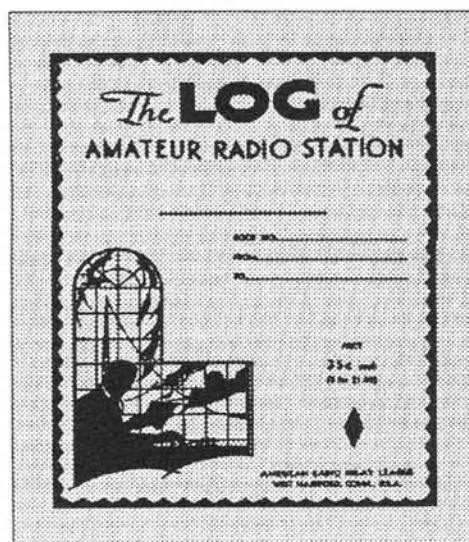
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Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

The Spring meeting was held at Dimitri's Restaurant with forty members, XYLs, and friends of Cleveland Chapter No. 1 - QCWA attending our luncheon-meeting. Our guest and featured speaker was George Race WB8BGY, the Great Lakes director of the ARRL, a personable well liked individual. He held the audience spellbound about the programs and directions of the ARRL. This was verified by the prolonged and interesting question-and-answer period. Members expressed their satisfaction and pleasure of what they heard.

We had hardly gotten over the shock of QCWA's and Cleveland Chapter No. 1's probably most distinguished member, Al Gross W8PAL, passing away. We were stunned by the death of Joe Tomazic WT8P, who had taken over the editorial duties of our newsletter. Joe developed a spinal cancer with complications. Our condolences to the family and especially to Joe's widow, Ethel May, who is also licensed as N8MZJ. R.I.P., Joe, OM!

Previously we had been notified that Bill Knaus WA8NPX, had become a silent key. Bill was a former engineer. He was an enthusiastic amateur radio satellite operator. He was very well liked by everyone, particularly by our Cleveland Chapter No. 1 members. In recent years he also served as the alternate net control for our Wednesday evening Cleveland Chapter No. 1 - QCWA net. We will miss Bill very much. R.I.P., OM!

We were also grieved by the passing of Earl Manzo N8UQK. Our condolences to the family.

Our Summer luncheon-meeting is scheduled for Saturday, July 21st, at Dimitri's Restaurant. Anyone happening to be in our area is invited to attend the session. 73!

Joseph Zelle W8FAZ

Chapter 2, Chicago

President Jim Quinn K9JQ at 6:30 PM, called the business portion of the meeting to order.

Present were 10 members and 14 guests.

Jim Quinn opened the meeting with a welcome to all members and guests. Jim then had the attendees stand and introduce themselves. Then for the benefit of the visitors, he gave a summary of the purpose of QCWA. Jim then gave a financial report. He reported that he must have done a good job as acting President and Treasurer since in the last year, the Chapter only lost 16 and of this date, our balance was \$1000.

Lee Knirko W9MOL, reported that one of our members, Moe Pallotto W9BOX passed away in March of 2001. Lee is trying to contact his sister to get more details for a report in the Newsletter. Lee also reported that he contacted Dick Sandberg (W9STQ) daughter asking her to bring Dick to a meeting since we had not seen Dick for a while. She stated that Dick had died earlier this year. Dick was the husband of Betty Sandberg W9STR, who was Chapter 2 Secretary for many years. Lee is trying to get more information also. In both of these cases, QCWA Chapter 2 was not aware of the deceased and could not acknowledge the person. Lee requested if anyone was planning on passing away, to advise his or her significant other to advise Lee or Jim of the passing.

Gil W9BUB gave a short Sec'y report There are 9 members who have not responded to the first and the second dues due notice and are being dropped as members of Chapter 2. We need new members to replace those and every Chapter 2 member should check out their amateur friends for likely candidates and invite them to our affairs. The July Brunch would be an ideal place for them to come. The new menu was then served. It consisted of Chicken Lemoyne or Tournedos of Beef or Salmon oreganato. An outstanding menu. After dinner, the program was introduced. It was Arkady Bodner.



Arkady Bodner ready to start the entertainment.



The music was so catchy that Chapter 2 President Jim Quinn K9KJ and his wife Mary Lou had to take advantage of it and show off their 'twinkle toes'.



Chapter 2 President Jim Quinn and Arkady Bodner celebrate the acceptance of the program.

Arkady is proficient in playing the piano, keyboard and accordion, and is known as a "One man Orchestra". He is both a teacher and performer, with a Master of Music degree. He is known as an extraordinary musician with virtuosity and passion. He has entertained as solo or with an orchestra. He specializes in international music from 15 countries, and features classical, Broadway, jazz, Latin and Klezmer. The music was outstanding and some attendees couldn't keep still and jumped up to dance. He was stirring. Everyone left humming his tunes. An outstanding program.

Gil Kowols W9BUB - Secretary

Chapter 5, Delaware Valley

The Delaware Valley Chapter 5 held the June 16th meeting at the Town & Country Restaurant in Bordentown, NJ. Sid Deitz W2FDE, the new Chairman, opened the meeting at 12:10 and Sid welcomed all to the luncheon and hoped that all would bear with him in his new position as Chairman. Each person was asked to introduce themselves and give their name, where they were from, and call if they had one. A minute of silence was asked for in memory of Fielding Waters W3DIP, who had passed away on May 24th. Fielding was a past Chairman of the Chapter 1988-1990. Fielding will be missed by his many friends in the Chapter. The secretary was asked for a reading of the minutes of the April 21st meeting and they were read and approved. The treasurer, Marv Foral W3QGC was present and he gave a report of the financial condition of the Chapter. The secretary reported that a new "at large" list has been received from National and that a drive will be conducted to get new members in the Chapter and that all members should be trying to bring in new members also.

The speaker for the meeting was 1st Lt Paul Mitnaul of the Tuskegee Airmen, a group of 100% African-American pilots, of World War II fame and he gave a very interesting talk on the difficulties in getting this group formed in the first place and then the problem of being accepted as a combat group once they were committed to the war. Their record speaks for itself in that as escort squadrons for bombers on their missions, they did not lose one bomber to enemy aircraft in over 200 missions. Their record was an outstanding one. Upon his discharge from the service, he attended UCLA and received a degree in electrical engineering. He worked for the RCA Space Center and the Sarnoff Research Center in Princeton, NJ for 25 years before retiring in 1987. He is a past president of the Negro Airmen International, a position he held for 14 years. He also is a member of the New Jersey Pilots Association.



Meeting. Speaker, 1st Lt Paul Mitnaul of the Tuskegee Airmen with Charles Davison K2DOV on the left and Sid Deitz W2FDE, on the right.

Chapter 5 has a home page at www.resuba.com/qcwa5 and can be checked out by everyone. The Chapter also has a net each Sunday morning at 9:45 on 3917 kHz and all are welcome to check in.

Don Field W2UAE - Secretary

Chapter Reports

Chapter 10, Michigan

On June 2, 2001 the members and guests of Michigan Chapter 10 met at the Waterfront Restaurant in Cadillac for our annual meeting. Again the restaurant served us an excellent buffet lunch.



Chapter members at the meeting.

The meeting was opened by our president Mike WB8ICN. We all introduced ourselves and guests. The secretary's report was read and approved. The treasurer's report was read and approved.

A 70 year certificate was presented to Alex "Polly" Polityka W8FLA. A 60 year certificate was presented to Marion Stoner W8VWY. Also 60 year certificates were sent to Tom Fifer K8BKF and Cliff Graff W8QM. Century Club certificates were presented to Ed Ireland W8HZF and Tom Sorrick W8IZS.

Our annual picnic was discussed and the date was set for Aug. 15 for Kenwood Park in Cadillac. Our annual meeting will be held next year in conjunction with the Cadillac Swap and Shop. This seems to work out real well. Election of officers was held and Mike WB8ICN will be president for another year. Vice president will be Chet N8SM for another year.



President Mike WB8ICN presents retiring Secretary Beverly K8AJU a Meritorious Award for her services to the chapter.

Our secretary Beverly asked to step down because of illness in the family. She has done a tremendous job for us and will be missed. Skutt W8FSZ volunteered to accept the position. Meeting was closed and all wished a safe journey home. Those who weren't there were missed.

Currin Skutt W8FSZ - Secretary

Chapter 14, San Diego

The Chapter 14 Sunday Brunch Spring meeting was held on May 6, 2001 at the USMC Officers Club San Diego. We enjoyed a delicious buffet lunch, had our usual raffle drawing fun time and were entertained by a speaker, Jim Hunzelman representing the County Port District. Jim presented a timely and interesting illustrated talk on the future of our Municipal Airport, Lindberg Field. At the meeting presentations of QCWA certificates were made to the following Chapter 14 members: Reed Evans W6EHR - 65 years, George Roullard K6GTP - 60 years, Joe Saugier K6CD - 55 years.

The highlight of this part of the meeting was the presentation of a plaque representing 75 years since first licensed to Dick Shanks W6BZE. This event is covered elsewhere in the Journal but in an accompanying photo we see Dick in his very fine ham shack. Notice the three homebrew linears (one behind Dick's chair) one linear for each of the three ham bands: 10 15, and 20 meters.



Dick in his ham shack. Note the three homebrew amplifiers, one each for 10, 15 and 20 meters.

SILENT KEYS - It is with deep regret that we report the passing recently of two of our members: Dick Brown W6OVX, who died in April 2001 at the age of 82, faithfully checked in



Long time net operator, Ralph Held K6QS is shown in his ham shack

on our two meter net up until shortly before his death.

Ed Dodero W6BR, age 76, died suddenly in April, 2001 following a heart attack while camping in Arizona. Ed was at this meeting scheduled to receive his 50 year certificate.

CHAPTER 14 TWO METER NET- We meet every Wednesday at 8PM local time on 145.52Mhz simplex. Our net operator, Ralph Held K6QS is shown in accompanying photo in his ham shack.

R. Onstad N6BAS - Secretary

Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio was held May 26, 2001, at the luncheon at The Amish Door, Wilmet, Ohio. There were 32 members and guests present.

New members Mike Woloszyn WD8BMP, #30922, and Dick Stellarini WB8VUN, #30958, were introduced.

President Caley expressed thanks to members who visited Ed Gammeter W8CSU recently and to Joe Vignos W1FEZ for developing and maintaining the chapter website at <http://www.cmh.net/~jpvsvr>.

President Caley presented the 50 years continuous licensing and 50 years anniversary certificates to David Domer W8GSK.



David Domer, W8GSK, left and Phil Gizzi, W8IIV, right, receive their 50-year continuous certificates and 50-year anniversary awards. Digital photo by Ed Clinger, WA8DRT.

Vice president Perry Ballinger W8AU introduced our member, Dennis Moriarty K8AGB, who gave a talk about "Odd and Funny Happenings in the Life of an Interference Investigator." He mixed in the technical details for the hams with the humorous side of the investigations for everyone.

Door prizes were awarded.

David Glass W8UKQ - Secretary

Chapter 39, Akron

The meeting of April 19, 2001 was held at Waterloo Restaurant at noon. There were 8 members and 5 guests present. After lunch (the usual short intermission having been omitted inadvertently) Bill opened the meeting with the traditional

introductions all around.

Next he gave a treasurer's report that showed cash balances of 319.43 in the bank and 3.11 in petty cash.

He then reported some news items and invited others to report any news they might have. We heard that:

-Del Labo W8SJC had made reservations for the meeting but had to cancel that morning due to illness.

-Tom Cross K8DSD couldn't make a firm reservation because of his irregular work schedule doing auto dealer driveaways.

-Ivan Frey W8NYS. His condition was described as 'so-so'.

-Cass Srednici W8TVN is president of the Lions Club.

-Don Turner W8DIS received treatment for aneurysm and colon problems.

-Jim Trutko W8EXI is still suffering carotid artery problems so he could not attend.

Some upcoming hamfests were mentioned. The next meeting will be on July 19 at the same place. The Kitty collection amounted to \$11.00.

Bill Hessler W8DXT - Secretary

Chapter 41, Dallas

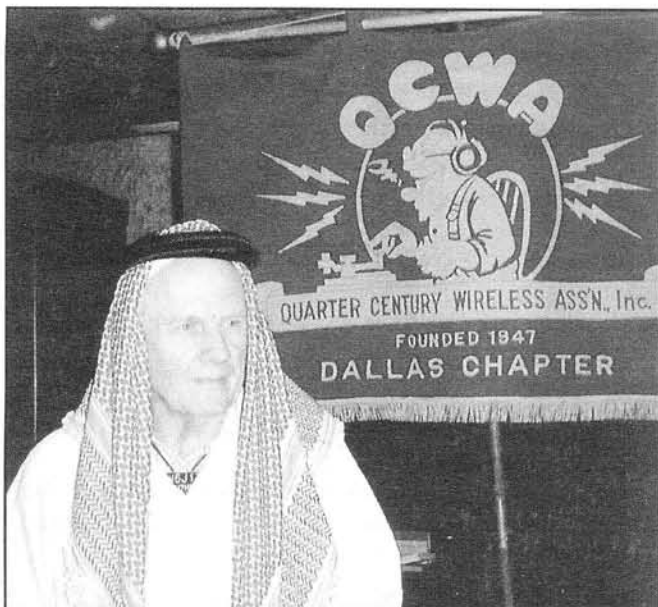
It is with deep regret that the chapter notes the passing of long time members Henry Winans, MD W5KNY, and Dan Dansby W5URI who have joined the chapter's revered log of Silent Keys. On a happier note, the chapter welcomes new members Robert Peters K1JNN, Bob Kellow W5LT, and Tom Owens WB5KHC.

Arnold Krusemark, KØYVI, chapter agronomist, who earlier this year obtained his state securities license, presented a program to the chapter covering an address he made in June to a combined meeting in New York City of the American Export Bank Association and the National Association of Securities Dealers titled, "The Incontrovertible Dynamics of Global Sorfras Export." Krusemark, a leading spokesman and champion for the hybrid, sorghum-sassafras (trade name "Sorfras"), developed in 1994 at Texas A & M University, maintains that global export of Sorfras will be the economic salvation of the American agricultural export market and a financial boon to institutional investors, widows, and orphanages whom he counsels, "Bet the farm on it!"

The chapter, which has elected to underwrite the Fall QCWA Cruise for several key members including Val Erwin W5PUT, (who has become quite well-known in Eugene, Oregon and who gives the seagoing admonition, "Don't stand near the railing," some fleeting thought), is engaged in related fund-raising activities such as parking lot car washes, coin bucket brigades and windshield cleaning at traffic intersections, lawn mowing, church pew gum removal, weight-guessing at kiosks in strip shopping centers, panhandling, and party balloon inflation. Some have suggested that these activities, while for a moderately worthwhile cause, do not measure up to the ethereal standards universally associated with Chapter 41 but others suggest that it enables the chapter membership, if

Chapter Reports

only on an isolated curiosity satisfying basis, to identify with the general membership at large. And that can be worthy!



Dallas Chapter 41 member Luther Pully W5JIZ, was recently named Special Envoy to the United Arab Emirates by the State Department. Luther has spend many years in the Middle East as a consultant in the microwave communications field.

Chapter members John King K5CDV, Jack Dye W5LUE, Val Erwin W5PUT, and Luther Pully W5JIZ were among those on hand to greet the arrival of national QCWA officials Gary Harrison KØBC, President, and Jim Walsh W7LVN, General Manager, at the Greyhound Bus Station after a five-day trip on the occasion of their official visit to QCWA members in North Texas at Ham-Com in Arlington, Texas. Members of the reception committee were quick to lend assistance when the cord around the President's vintage Samsonite suitcase with the QCWA and Sinclair logos parted at an inopportune time and place. The General Manager, a seasoned Traveler, pointed out that he prefers duct tape to cord. Gary is reported to have noted that "the national officers should have expense accounts and K-Mart corporate cards just like real executives." Their visit and assistance in a successful recruiting effort were productive and appreciated, the trial and tribulations of executive travel notwithstanding.

Bob Olney N5NT - Recording Secretary

Chapter 45, Citrus

We regret we have to announce that Arthur DeGarmo K2AGT, became a Silent Key on April 3rd, 2001. Art had not been active in Chapter affairs in the past several years, but had served as Chapter President in 1988. He was a World War II veteran, and a graduate Electrical Engineer of Wayne State university he had received awards for town and county planning in Clay, NY. Art was an active ham belonging to local

amateur radio clubs. A contribution was sent to the QCWA Memorial Scholarship Fund, a Chapter custom when a member becomes a Silent Key. One of our local clubs, OARC (Orlando Amateur Radio Club) sponsors a monthly "Saturday in the Park" to encourage Ham radio operation. Hands on events like fox-hunting and HF Dx'ing are demonstrated and newcomers are encouraged to participate.

Hotdogs and hamburgers and other food brought by participants are on the menu. Our Chapter President Bob Cumming W2BZY, hosted the event at his "shack" on the ARRL VHF/UHF QSO Party weekend. These get togethers have influenced many local hams to become active on the higher frequencies. Many hams, old and new alike, do not know how far our VHF bands propagate. Many do not even know what our microwave bands, 903 MHz and up, have to offer. Bob operating 160M-13CM demonstrates how useful these very high bands can be.

As this is being written, June 12th, one of the big events of the Ham year is coming up, Field Day. Chapter 45 does not set up an operating site, but a number of our members participate with other local radio clubs. One of the features at the LMARS (Lake Monroe Amateur Radio Club) location is the annual pig roast. A whole pig is roasted and enjoyed by everyone, except

Your Official QCWA Badge



The order blank is printed below. It comes with a standard clip and a bola clip.

Note that you may order it with a pocket clip at an additional cost

Bola ties are also available.

QCWA Badge Order

Call _____

First Name _____

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Indicate whether you want your City/State or your Chapter name and Number as bottom line on badge.

1. City and State _____

2. Chapter Name and Number _____ **OR**

Badge..... \$7.00

Pocket Clip (\$2.00).....

Bola Ties (\$2.50).....

Bola tie color(circle one): Black, Blue, Brown, Green, Red and White.

Total Cost.....

Complete in full and mail with your check to:
QCWA, 159 East 16th, Eugene, OR 97401-4017

maybe the pig. Chapter 45 meets the third Wednesday of each month for luncheon at the Picadilly Cafeteria, 1840 E. Colonial Drive, Orlando, Florida. We start gathering about 11:30AM for lunch and fellowship time, the formal meeting beginning about 12:30PM. The food is good, the prices reasonable and the fellowship is warm. Any hams in the area on the third Wednesday are welcome to join us.

Chapter 45 operates the W4PLA repeater on 147.195mhz. Net time is Tuesday at 1930 hours local.

Paul A. Turner W1DLP - Secretary

Chapter 49, Peach State

The Chapter 49 Summer meeting was held on June 16. This meeting was our second Annual picnic/swapfest at the home of Mary W4NZJ and Bill Ahls ABØKF in Snellville. We had no formal business session at the meeting. There were 6 members, 3 "Friends", several spouses and many of Mary's neighbors and friends from other local clubs in attendance. We had hamburgers, hot dogs, beans, salads and many fine desserts as specially requested by President K4HBI in order to keep his waistline in proper shape. All his plans about sabotaging W4BJT's truck with all the excess gear were foiled when Frankie kept his camper top locked!! There was some trading of gear and some grunting and groaning as boat anchors were toted to waiting cars. W3CDE should get an award for taking the exceptionally large 'O- scope' off Mike's hands. A good time was had by all at the picnic and swapfest.

September 15 and December 1 are the remaining Chapter 49 meetings this year at our usual location, Ryan's Steak House in Norcross.

Chapter 49 had a table at the Atlanta Radio Club Hamfest the first weekend in June. Table volunteers were Lawson AE4GQ, Wayne K4WJB and Bob K4SZ. We got to see several Chapter 49ers and also got to meet one of our newest members, Stuart Banks AD4LN of Fayetteville. Stuart joined both National and Chapter 49 lifetime. Our other recent addition to Chapter 49 is Vic Farr K4RUL of Monroe, GA. Vic has been joining us on the 2m net. Welcome to both our newest members.

Chapter 49ers K4SZ and K4RF operated unlimited multitop at K4RF for the June VHF QSO party. Several members operated Field Day with the North GA ARC, W4QQ, 3A from the K4SZ farm property outside Dahlonaga on the Etowah River. K4HBI, AF4FO and many other 49ers were with the Gwinnett ARS W4GR 6A operation from Rhodes Jordan Park in Lawrenceville. GA SM and 49er Sandy W4RU made his usual FD (Food Discovery) tour of GA club Field Day sites. Some "Operator" he is!

Bob Lear K4SZ - Secretary/Treasurer

Never purchase anything with a handle on it
It means work!

Chapter 51, Tex-La Golden

All of our meetings this quarter were held at Dorothy's Front Porch Seafood Restaurant with 25-30 members and guest present. The June meeting started with lunch at Dorothy's and



Members and guests dine at Dorothy's Restaurant.

then moved on to the Museum of the Gulf Coast in Port Arthur. The group toured a traveling exhibit about World War II in the Gulf of Mexico. Several of our members had served as radio operators in the merchant fleet targeted by the German submarines in the early months of the WWII.

Dub George W5DUB - Bulletin Editor

Chapter 53, Suncoast

There were 31 members and guests present at our April meeting, enjoying the opportunity to chat and dine together prior to our business meeting, following which Bill Schlappfer KA2HEA, provided an excellent program detailing his amateur radio background and interests. Bill became first interested in radio via a crystal set built by his father back in the 1920's. After showing us that receiver, Bill told of his first being licensed in Saudi Arabia and his experiences operating overseas in Iran and France.

Once again our Chapter Vice President Bob Siff K4AMG, donated several pieces of electronic equipment for auction by the Chapter. Therefore, a lively auction ensued at our May meeting, as the 19 members and guests in attendance bid on those donated items. Hopefully, all the equipment found good uses in new homes. The May meeting marked the final luncheon meeting of our 2000/2001 "season".

Our first informal summer gathering was held in June at the Café Bistro in the Venice, Florida Day's Inn. The service was on the slow side, giving the 17 folks attending an excellent opportunity to swap a variety of tales before enjoying some excellent food.

Suncoast Chapter has a luncheon meeting the first Thursday of every month-October through May-at Denny's, 3701 Bee Ridge Road, Sarasota. From June through September, join us on the same dates at Café Bistro, US 41 and Shamrock Drive, Venice. All QCWA members in the area are always welcome!

Jack Sproat W4JS - President

Chapter Reports

Chapter 65, Niagara Frontier

Chapter member Paul Bond WA2VTI volunteers for the American Red Cross each Friday evening and night until 0900 hours Saturday. Paul accepts requests through the Red Cross from concerned people who wish to inquire or want to notify their friends or relatives serving in the Military of urgent info. This can be medical or other important info. He puts the information into message form and dispatches it to the Falls Church, VA Red Cross where it is passed on to the addressee. Paul has been volunteering since 1989!

The following Chapter 65 stations were active in the April 2001 QCWA QSO Party: W2EWT Bill, K2CF John, W2IRU Hank, K2FJ Ken, and W2VEX Norm operating Club Station W2SD. Conditions were fair. There was plenty of CW operation. Let's join in for the FALL QSO Party on 6 October. See the QCWA Journal Spring 2001 page 50 for rules.



*Left to right: Pres Tom W2QI and VP Larry WA2ARA
Lancaster Winter Hamfest-Feb.*

A SUPER 90th birthday party was held on 14 May for longtime member and officer Bill Hope W2EWT. Many QCWA Chapter 65 members attended. Dinner was at Salvatore's Restaurant.

Our Sunday chapter net (3900 kHz at 1330 hours local) experiences some strange signal strengths at times. Mostly S7 to S9+. Come join us for an informative get-together.

Kenneth Palmer K2FJ - Secretary

Chapter 70, National Capital

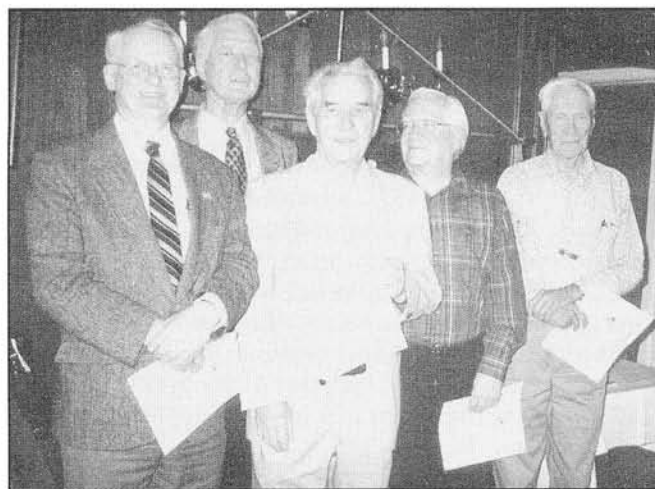
At our May dinner meeting held at the Green Valley Restaurant, QCWA Vice President Croft Taylor VE3CT awarded Century Certificates as well as year pins and certificates to a number of our members.

How did we get into using sun spots as a predictor for HF propagation and as we learn more about neutrinos will our ability to make these predictions more accurate? Gord Grant VE3DY told us that back in 1830 Rudolf Wolfe began count-



Century Award certificates from L to R: Gord Grant, VE3DY, George Roach, VE3BNO, Ed Morgan, VE3GX, Don Dashney, VE3RM, and Fred Green, VE3IO.

ing the spots on the sun and noted that they had an approximate eleven-year cycle and called the peak in 1850 cycle one. In 1947 Arthur Covington, here in Ottawa, began measuring radiation from the sun at a frequency of 10.7 cm. and came up with a unit called solar flux. Solar flux graphs resemble sun spot numbers but they represent the level of activity of the sun. The measurement of solar flux is now being carried on at Penticton BC. The interior of the sun is very hot and dense. The atoms are moving back and forth at a great rate and produce other atoms and neutrinos. In Canada we have a large neutrino detector two kilometers down in a mine in Sudbury ON. It has been operating for about a year. It will be about 10 years before we will know much about neutrinos. As we learn more about them they may be a good indicator for predicting what the sun is going to do.



QCWA pin and certificates from L to R: John Hay, VE3HPW, 55 year; George Roach, VE3BNO; Clay Hiltz, VE3TL, 55 year; Don Dashney, VE3RM, 60 year; Barc Dowden, VE3TT, 65 year.

And What about our new satellite AO-40? Clare Fowler VE3NPC gave an overview of the history and trials and tribulations that have befallen this bird. However in spite of all the

delays the transponder with 70 cm. and 23 cm uplinks, and 13 cm downlink was activated on May 5th at 4 AM EDT. It was a bit of a zoo for the first few minutes as many stations tried to correlate their up and down link frequencies. However it proved to be very successful. LEILA, the uplink signal level watchdog was also activated and was very well received. Farther testing, including raising the perigee with the arcjet motor, activating the reaction wheels and solar panels remain to be done before AO-40 becomes fully operational.

Clare Fowler VE3NPC - Secretary

Chapter 72, Fort Worth

The regular monthly meeting of QCWA Chapter 72, Fort Worth, Texas was held May 19, 2001, following a 11:00 lunch at Spring Creek Barbecue in west Fort Worth, Texas. There were 19 members and guests present.

President Tom Abel (W5HAH) called the meeting to order and conducted the election of officers for 2001-2002. Ullis Hair (W5WKH) was elected President. Ted Martin (KF5LO) was elected Secretary-Treasurer. Jack Dye (W5LUE) reported that the chapter had made \$180 from the sale of items owned by SK Dan Dansby (W5URI). Chapter members signed a Thank You card for Gene (Dan's XYL) who so graciously allowed the chapter to help her in this sale. Jack indicated that other items were available for sale. Interested members could contact Jack or Jordan Jones (W5CF) for details.

Harold Eichenberger (W5HZO) gave a short presentation on the Royal Order of the Wouff Hong. He informed the group that there would be a Wouff Hong ceremony on Friday during this year's HAM COMM festivities. He also shared with the group a 1930's handbook (cover price \$1.00) which many in the group used as a source for building equipment. The Chapter applauded Tom Abel for his efforts as Chapter President for the past few years.

Ted Martin KF5LO - Secretary

Chapter 75, Central California Coast

Our spring luncheon was held on April 21 at the Maria Del Sol in Santa Maria. There were 23 people present and all enjoyed a delicious buffet.

The program was all about chocolate and was presented by Dr John Gannon. He told us where chocolate comes from, how they process it and many other items about it. There was an election of officers with Jim Palmer (W6FOB) chosen as President and Roxie Griggs (K6ELO) as Vice-President.

Chapter 75 meets every Sat morning at 3917. Early bird check-in is at 7:30 with the formal net starting at 8:00AM. We welcome all visitors.

Chapter 75 also reports that Harry Weller (W6IP) is now a silent key.

Jay Luster W6QHD - Secretary

Chapter 76, Blue Ridge

Greetings from Western North Carolina. Chapter 76 meets the first and third Wednesdays of each month, except December, at Ryan's Steak House, Hendersonville, NC. We welcome visitors to join in our fellowship.

A review of our first six months brings to mind the interesting speakers we have had at our meetings. Again, thank you to Ed Cushing W4GW, for his talk on his dxpedition to Tobago, to Frank Young NT4K, for his pictures and video of the Albuquerque balloon races, to J. J. Johnson and his K-9 drug sniffer dogs, to Lee Cookman K2ACE for his fascinating presentation. Wes Schum W9DYV, for his Central Electronics talk, and Chris Mayer for the computer information. Let us hope the final half of the year will find our programs as interesting.

Many of our chapter members joined with the local Blue Ridge Amateur Radio Club to assist in the annual Field Day exercise. Chapter member Ronnie Perham K2SST, is president of the club this year and they always have a great field day set up at the lake at Blue Ridge Community College.

If you are in Western North Carolina the first or third Wednesday, please join us At our meetings.

Jim Harrison W4TFT - President.

Chapter 77, Northern New Jersey

Greetings to my fellow members of NNJ Chapter 77 and all those brothers reading this missive Our chapter has been meeting on a bi-monthly basis, the third Wednesday of every even month at Mario's Restaurant, noontime in Clifton, NJ. Attendance through the cold months was good but since "fishing season" has come upon us the waitress's at Mario's don't have as much to do. Your Staff can only encourage you to set these luncheons as a priority in support of their effort to provide you a good meeting.

In February, Art Storm, K2TRK showed us "How to assemble an Ultra Light Airplane in your garage without your XYL (N2FGC) throwing you out into the yard with the dog." His actual presentation title was much shorter. Your Sec/Treas.,

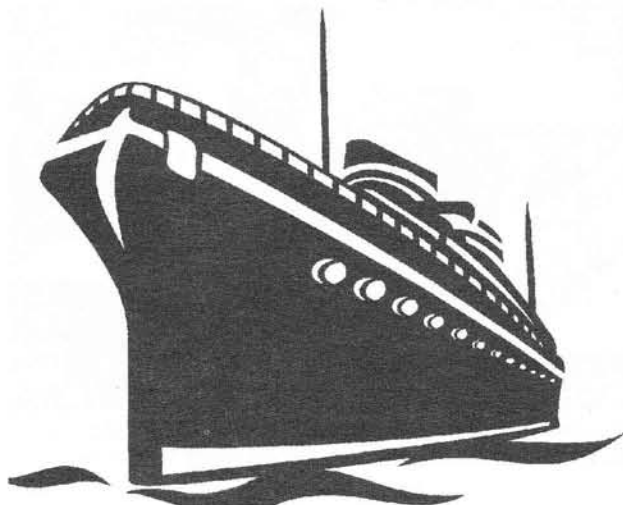


Ultra-lite pilot Art Storm K2TRK (l) and Gene Filipponi AG2R chapter secretary/treasurer (r) stand by the mighty flying machine.

Ship's itinerary includes stops at Nassau, Bahamas; San Juan, Puerto Rico; Philipsburg, St Maarten; St John & St Thomas, USVI; and Half Moon Cay, Bahamas

QCWA rates and stateroom categories for the October 27th to November 4th adventure per person			
	CATEGORY	PRICE	ROOMS HELD
N	Inside room, two lower beds	\$649	2
LL	Inside room, two lower beds	\$679	8
L	Inside room, two lower beds	\$699	10
K	Inside room, two lower beds	\$719	10
G	Outside room, one double bed, one sofa bed	\$809	10
F	Outside room, one double bed, one sofa bed	\$829	10
E	Large outside room, two lower beds	\$869	20
D	Large outside room, two lower beds to queen	\$909	20
C	Deluxe outside, two lower beds convert to queen	\$979	10

◆ White Travel Service of West Hartford, Connecticut
◆ is handling all the booking arrangements for this
◆ excursion. They can be reach at 1-800-547-4790.
◆ The above rates are for double occupancy. Port
◆ charges, air transportation (if requested), air taxes
◆ and government fees are additional. Other state-
◆ room categories can be requested. Rates for sin-
◆ gle, triple and quad occupancy are available on re-
◆ quest.



**Chapter 162 is our Host
and Larry McCalvy,
WA9JMO is this year's
convention Chair**

Clarification questions and/or additional details can be obtained by calling Larry at (262) 639-7327 or emailing to wa9jmo@wi.net

QCWA's International Convention for 2001 has taken a bold new approach to their traditional yearly conference. In awarding this year's event to Chapter 162, and approving an eight-day eastern Caribbean cruise, your Board of Directors has made it possible for members living outside of the North American Continent to participate. In viewing this eight-day adventure as a vacation with a convention thrown in, allows, in my opinion, a better opportunity to justify the time and expense to you, spouse and/or family members. Haven't you always wanted to take a cruise?

Ham Radio activities that will occur onboard are still being considered. We have written permission to operate a HF station on the ship and are working toward getting a special event call. Three of our ports of call are USA territories. They, the ship and island of St Maartens are members or signatory of the CEPT agreement, which allows us to operate in their territories. Hams need to bring their current original license to operate in CEPT countries.

We will have a cocktail party onboard for our group, and each traveler will receive by mail, a videotape of the cruise and Ham events. Both are complimentary with our Amateur Radio outing. Several folks are working to attract a few well known entertainers, that hold Ham licenses to join us. I am working to garner few nice door prizes, some will be cash; and we should also receive a cash rebate. As of this writing, we have one forum scheduled on Collins Radio Equipment.

As this is a first for QCWA and Chapter 162, our onboard Amateur Radio activity plans are still very flexible. We will continue to define, refine and embellish any and all ideas even remotely associated with possible Ham events aboard the Westerdam. Your input would be greatly appreciated. Drop an email message to wa9jmo@wi.net, a FAX to (262) 639-7327, and/or call Larry at (262) 639-7327.

Other than the cost for the cruise, and transportation if needed, as quoted by White Travel Services, Inc. in West Hartford, CT @ 1-800-547-4790, there will NOT be a registration fee. **HOWEVER**, the registration form below does need to be completed and it or a copy mailed to:

Larry McCalvy, WA9JMO, QCWA International Cruise Convention Chair
5400 Six Mile Road
Racine, Wisconsin, 53402-9741 USA

Holland America Westerdam Cruise, October 27th to November 4th 2001

Name: _____ Call: _____ QCWA# _____

Spouse/Guest: _____ Call: _____ QCWA# _____

Additional Guest(s): _____ Call(s): _____

Address: _____ Email: _____ Telephone#: _____

City: _____ State/Prov/Ctry: _____ Zip/Post Code: _____

Chapter Reports

AG2R had the opportunity to accompany Art to his Aeronautical Garage at the airport to visit "his baby." Pretty neat, I'll say. The proud "papa" offered to whisk me into the air but I graciously deferred to a safer mode of travel like my Harley. Of course, the uninformed (me) will sometimes show a faint heart. Art is a knowledgeable fellow. What he doesn't know about fishing can't be fit into the nose wheel of his Mighty-Mite bird chaser.

Ed Chapman W2BVK graciously provided the overhead projector that Art used for his presentation. Upon leaving Mario's, Ed tripped and fell outside the door putting a dent in the projector and his knee. Fortunately, he didn't sue. At the April meeting, we saw Ed and asked how his knee was doing. He informed us that up until the time of "his unscheduled trip" he had a chronic problem with that knee, and since the "accident" it hasn't felt better. I guess the motto of the story is, if you have any chronic pain, belt the spot with a rubber hammer and see what happens. Hey, I'll try anything

in April, Steve Mendelsohn, ARRI Hudson Division Vice Director "paid us a visit" in more ways than one. Not only did he put up with a room change snafu that had us competing with a funeral "after party" but he joined NNJ Chapter 77. He's a trooper and said "I've seen it all, so don't worry about the digs." What a guy

in June, Skip Tullen K2PXO spoke to the assembled about microphones and their suitability in short wave communications, and the limitations imposed by narrow SSB filters on the fidelity of radiotelephone communications. His equipment display was impressive. We should have afforded Skip a better location as the ambient noise from outside the room lessened his effect. Non-the-less, the gang learned a lot. Many thanks to Skip for his effort.

The loss of Frank Gordon K2LOV and Gerald Powell, W2OJW put a damper on the chapter. This goes to emphasize the need to value each day and each friendship.

Y'all take care now, hear?

AG2R - Secretary/Treasurer

Chapter 81, Long Island

Since our last report we have found a new restaurant in which to hold our monthly meetings. As has been customary with our chapter, we hold our meetings in the evening for dinner. Some of our members objected to a pre-selected dinner at the same price for everyone. They preferred selecting from a menu at the given price. This makes for small difficulty in giving separate checks to everyone. Waiters object.

After some searching, a suitable restaurant was finally located. It is built in a western style, wide open and named BOULDER CREEK.

The membership seems to like this place, having met there now three times. This event seems to be the highlight in our activities for this quarter. Though we had no speaker at this location, general discussions were held on the subject of PSK31 and its functions. Also we have gained two Associate Members not too far removed from the required 25 years.

H.F. Milatz W2TLC - Secretary

Chapter 91, Vic Clark

April 2001 Meeting-Field Trip to the Radio History Society Museum

Sixteen of us had lunch and then visited the Radio History Society Museum in Bowie, MD. The museum's focus is the history of broadcast radio and television, so we saw lots of crystal sets, three-knob TRF receivers, AM superhets from the 1930s and 40s, etc. There were some short-wave receivers such as Zenith Trans-Oceanics and a few ham receivers.

We observed the working of an excellently crafted model of the equipment Hertz used to verify some of Maxwell's predictions. We also saw a working model of an early Marconi receiver using a coherer. Another treat was an authentic 10-inch fixed-gap emergency spark transmitter made by the Marconi Company; of the type used aboard the Titanic.

The museum has a large reference library with many radio-related publications. This museum is well stocked, well staffed, and would be enjoyed by any radio enthusiast.

May 2001 Meeting-Annual QCWA National Awards

President Lew Bradley, W4SWP, welcomed 25 members and three guests to our annual awards luncheon. The following members were honored with QCWA certificates:

70 years since first licensed: Wayne Cooper AG4R

65 years since first licensed: Bill Leavitt W3AZ

60 years since first licensed: Wendell Dunning K4YG, Bob Fasulkey W3BBQ, Vernon J. Hill W4DZI

55 years since first licensed: Bernie Keiser W4SW, Walt Quitter NC4B, Ben Shaver AA4XU

50 years since first licensed: Norm Heck W3NN, Maury Shumaker WØHYB

50 years continuously licensed: Maury Shumaker W4HYB, Lew Bradley W4SWP



Jim Wilcox, W3WV; Jon Siberling, WB3ERA; Con Concannon, K4RQ during the tour of the Radio History Museum, Bowie, MD. Con, as you will recall, received QCWA's 80 year award in 2000. Jon is a Technical Relations Specialist in ARRL's Washington office; you can read more about Jon in the July 2001 QST, p.59-61. Jim Wilcox handles the chapter's publicity and is Editor of the chapter's newsletter, Smoke Signals.



Jim Richey, WA4URR; Ray Johnson, K4RJ; Jack Kelleher, W4ZC; John Johnston, W3BE, after the tour of the Radio History Museum, Bowie, MD. Jim is a new member of the chapter; Ray is a long-time member. Jack and John should be familiar - hi!



Maury Shumaker, W4HYB, and chapter president Lew Bradley, W4SWP. Maury was awarded QCWA's 50 year anniversary award and its 50 year continuously licensed award.

We also presented QCWA's prestigious "Meritorious Award" to Chapter 91's Vice President (and national Director), John Johnston W3BE. John earned this for several reasons, the most visible being that he has been a true "spark plug" for chapter activities, arranging for our field trips and other programs. Chapter 91 definitely is more active as a result of his efforts. Thanks, John!

Program-News From the FCC: Bill Cross W3TN, of the FCC's Wireless Telecommunications Bureau, was our featured speaker. Bill discussed many timely and interesting topics, including the large increases in the numbers of higher-class licensees and the number of new licensees since restructuring, and the renewed interest of many who earned a Technician license in the years before 1987.

Bill said that two subjects that likely will affect the Amateur Radio Service are "software-defined radios" and "ultra-wideband radios." He advised us to be aware of these topics and to get involved with them. Bill echoed ARRL President Haynie and commented that amateurs have done little to revolutionize the technologies used at HF since the introduction of practical SSB methods. He said that FCC rules are not deterrents from developing state-of-the-art applications because they presently allow over 1300 emission types.



Norm Heck, W3NN, and chapter president Lew Bradley, W4SWP. Norm was awarded QCWA's 50 year anniversary award.



Tour host John Bell, shift supervisor for the CDA on the left; Jim Richey, WA4URR; Jim Wilcox, W3WV; Ray Johnson, K5RJ; Nelson Seese, W4BHD; John Johnston, W3BE and Judi Booker, K3HB behind Nelson; Lew Bradley, W4SWP; Jack Kelleher, W4ZC; Frank Haynes, W4NUA; John Wilmuth, NQ4Q. John, NQ4Q, president of Delmarva chapter 150 of QCWA, joined us for the tour and a good feast at a local restaurant afterwards.



Frank Haynes, W4NUA, listening to our tour guide in the control room for NOAA's polar-orbiting satellites.

June 2001 Meeting-Field trip to NOAA Wallops Station, VA.

Thanks to Treasurer Nelson Seese W4BHD, eleven of us toured NOAA's Command and Data Acquisition (CDA) site.

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Nelson is a retired NOAA employee and has spent much time at Wallops Station. After the tour, we, plus six of our XYLs, had lunch on Chincoteague Island and then watched the launching of about 10 model rockets at NASA's Visitor Center and Museum.

This was a most delightful weekend trip! Most of us made the five-hour journey on Friday and returned on Sunday. We had plenty of time to see the picturesque and famous Chincoteague area, including the wild ponies on Assateague Island, and enjoyed such delightful camaraderie doing it. Oh, yes-what great seafood!

Pictures from the CDA tour and the rocket launching are posted on Chapter 91's web site at homepage.mac.com/rucker (thanks to Secretary Dick Rucker KM4ML, for his excellent work!). Also check out these web sites: Wallops CDA: <http://weda.noaa.gov>; National Environmental Satellite, Data, and Information Service (NESDIS): www.oso.noaa.gov

Dick Rucker KM4ML and Jim Wilcox W3WV

Chapter 102, Dakotas

Dakota Chapter 102 members were among local area hams to furnish communication for the June 2nd -3rd, 2001 annual Crazy Horse Monument's Volksmarch. Crazy Horse Mt. is located near Custer, SD. Over 8000 walkers completed the trip up to the arm of the carving which is located at its face. Roger Kehm KØROG and Dan Richmond WØNBX were part of the 14 amateur radio operators that manned maintain communications at the starting point, check points and medical tent. It was a 6.2 mile round trip hike for the walkers.

Frank Shaw NU0F was part of the ARRL/VEC test team that gave license examinations at the Rapid City's, SD School of Mines & Tech. campus on June 9th. He also attended the Hamboree 2001, Joint Convention of Midwest and Dakota Divisions, State of Iowa QRP Annual Convention and Area QCWA Quarterly Meeting held in South Sioux City, NE on Friday, June 15th and Saturday, June 16th. At the flea market he had a chance to visit with chapter members Al Belk WAØYRI from Beaver Creek, MN and at the QCWA luncheon visit with Al Gowan WØLX from Sioux Falls, SD.

During Field Day Frank NUØF visited the Hot Springs, SD, ARC's Field Day operation at the Mammoth Site (100 mile round trip drive), Roger Kehm KØROG visited a group of hams set up in a Black Hills National Forest camp site, Dave Dekker KØERM and Roland Cory, W0YMB set up the Mobridge, SD, ARC site. The Mobridge group had to close down their field day operation Saturday evening due to severe thunder storms in their area.

Roger Kehm KØROG - Vice President

Chapter 105, Middle Tennessee

Middle Tennessee Chapter 105's Annual Meeting was held Saturday, March 31 at The Cooker restaurant on Murfreesboro Road in Nashville. A small, but loyal group attended and elected Mike Campbell W4AOU, president; Jerry Kimble WB9BSH, vice president; Mike Arnold WB4GHL, secretary; and Milton Fanning WA4GZZ, treasurer. Following an enjoy-

able lunch, those present had a lively conversation on topics ranging from Mike Campbell's discussion of last year's QCWA National Convention to Keith Mueller's (KD4RXO) experiences with upgrades to his HF antenna farm.

Middle Tennessee Chapter 105 held it's Quarterly Meeting on Saturday, May 12 at The Cooker restaurant in Nashville. The meeting was called to order by president Mike Campbell who announced plans for the 3rd annual chapter picnic on Saturday, August 11 at Seven Oaks Park, and discussed the upcoming National Convention cruise. Following a discussion of ideas to get more current members to attend quarterly meetings and ways to attract new members, everyone present recognized chapter treasurer, Milton Fanning (WA4GZZ), and XYL, Mary Alice (KA4GSB), who were vacationing in Florida to celebrate their 50th wedding anniversary.

Chapter 106, German



The members attending our annual meeting visited the VHF- and TV-Station of Bavarian Broadcasting (Photo DJ7RU)

Chapter 112, Yankee

Our annual meeting was held on May 5, 2001 at Dewey's Restaurant in Lakeville, MA. We had thirty-seven members and guests in attendance. Since this was our annual meeting, the election of officers for the next year was held. Those elected were: President, Fred Ravens, K1QLG; Vice-President, Charles Lukas, Jr., W1DOH, Secretary/Treasurer, Chuck Walbridge, K1IGD; Net Control, Dave Rego, W1GCA; and Activities Chairman, Harry Ketler, W1DGD. Bob Smith, W1XRA, continues as Sunshine Fund Administrator.

Service awards were presented to the following: 50 years, Art Tomkinson W1THT and Richard Downing, W1TXS. Fifty-five years, Harry Azadian, W1ODO. Sixty years, Bob Merriam, W1NTE and Dan MacDonald, W1PEX. Sixth-five years, Don Brown, W1JSM and Earle Drake, W1KBV. Congratulations to all our members for their years of participation in ham radio. See photo of those award winners attending the meeting.

The members also decided to have "mini-meetings" several times during the year. By moving them around the state it will allow members to get together without having to travel far.



(l to r) Harry Azadian W1ODO; Don Brown W1JSM, and Earle Drake W1KBV.

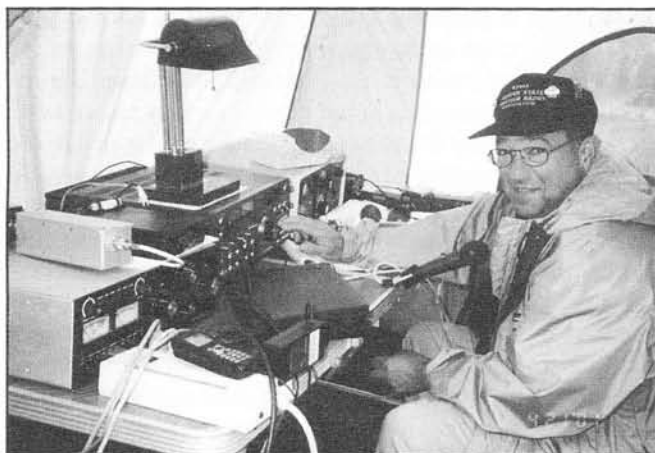
Ernie Bosselman, W1DO, gave us some of his personal memories of the loss of the submarine "Squalus" which went down off the coast of New Hampshire near the Isles of Shoals on May 23, 1939. Ernie had recorded in his journal at the time details of the story and the rescue that saved thirty-three of the crew members. The other story was about an early use (or misuse) of CW by a newspaper reporter. The sub S-4 was rammed off Provincetown on December 17, 1927. It was hit by the U.S.S. Paulding, while they were on maneuvers. A newspaper reporter, that happened to be in the area of the coast, noted some activity at sea. He covered one headlight on his car and using his hat, covered and uncovered the other one. Using this improvised signal lamp, he used CW to ask the crew of the Paulding what had happened. Cautious at first, a crewman finally told the story about the ramming. The newspaper reporter had his "scoop" and story in the paper before anyone else. There were 40 on board the sub and none were saved.

Chuck Walbridge K1IGD - Secretary

Chapter 138, Marconi

Dr Frank Gudicello K2TVY, of the Marconi Chapter 138 mans an IMD special event station at the Twin Lights, NJ, station.

April 21, the anniversary of Marconi's birthday, was designated as International Marconi Day (IMD) by the Cornish Radio Amateur Club in England. The Marconi Chapter 138, using the WA2GM chapter call, together with 50 other world-wide stations, is a sanctioned Marconi special events station. WA2GM operated two stations. One at Ft Monmouth, NJ, located in a MARS facility and one at Twin Lights, NJ. All the stations attempt to make as many contacts as possible. Dr Frank Gudicello K2TVY, set up a tent at the Twin Lights site which is located on the hills of the Navisink in NJ overlooking the New York Bay. Twin Lights is a location of historical significance to radio. This is where Marconi made his first transmissions in the United States in 1899 while broadcasting "live" the Americas cup races. The actions of the young



Frank Gudicello, K2TVY mans the IMD special event station at the Twin Lights, NJ station.

Marconi literally opened the world to the wonder of radio communications!

With antennas strung to the top of the lighthouse, equipment located in a tent, a thermos of coffee, crackers and an occasional visitor, Dr Frank had a ball. He made over 215 contacts, mostly to foreign countries. The sister station at Ft Monmouth logged in 300 contacts. Together both stations contacted about 50 countries and 15 states. Not bad for relatively poor conditions! This is an annual event for chapter 138, and like Frank, we all try to play Marconi for a day.

Chapter 145, Smoky Mountain

Members of Chapter 145 have been working for some time to establish a Radio Museum in the Asheville, North Carolina area. I am pleased to announce that we have acquired space on the campus of Asheville-Buncombe Technical Community College. On June 16 several Chapter members met at the college to officially begin displaying equipment that has been gathering dust for many months. Although only a small



Members of Chapter 145 and the S.A.R.M. gather to begin setting up their first display. (l to r) Borden K7DXF, Walt KC4PNF, Carl N4AA, Bob WD4CNZ and Clint N4LVL. Photographer: Chapter Secretary Treasurer, John W4QCF

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display case is presently available, we will be adding more large display cases in the near future. We also will be setting up an operating station in the Electronics/Computer Department of the College. One of our oldest members passed away recently, Bill Hayes W4AFM. With the permission of his son, W4ABM, we have applied for W4AFM as our club callsign. In the very near future you will be hearing W4AFM, the voice of the Southern Appalachian Radio Museum, Inc., on the air. The Museum is chartered as a non-profit corporation in North Carolina and have been granted non-profit status by the IRS, thus allowing us to accept tax-deductible donations to promote and further our project. We will be announcing the hours of operation of the Museum in the near future and invite anyone to contact us for more information via email at: N4AA@dxpub.com, or regular mail at: PO Box 249, Leicester, NC 28748. I would like to thank Mr. Frank Miceli, Chairman of the Electronics And Computer department of the College. His interest in our project made it possible to obtain permission to operate the Museum on the campus for the next two years.

Carl Smith N4AA - President



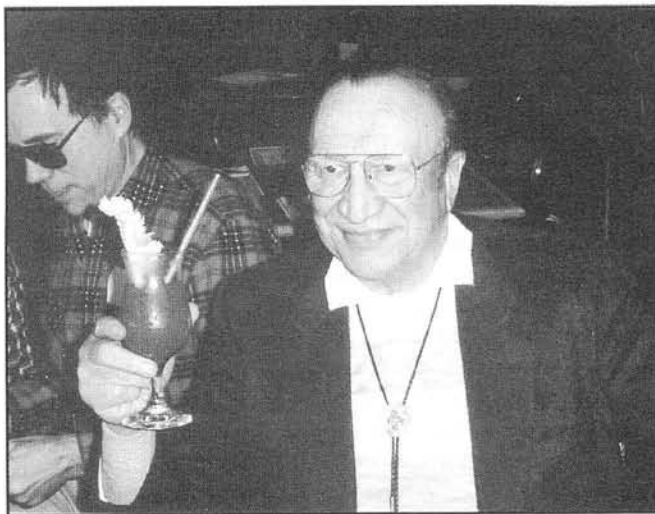
Twin State Chapter 146 dining at Lantern Buffet, April 2001.

Chapter 146, Twin State

Twenty members and guests attended the spring meeting of Twin State Chapter 146 QCWA held at the Lantern Buffet in West Lebanon, NH on Sunday April 8, 2001. The President, Carl Breuning N1CF3 called a short business meeting which included some discussion of alternate meeting places and dates. The Treasurer reported adequate Chapter funds for current needs. All welcomed our most recent new chapter member, Cheryl W1WEY. As the XYL of our President Carl N1CB, Cheryl is very familiar with many aspects of amateur radio over the years. Now she is welcomed as a full participating QCWA member.



Twin State Chapter 146 Secretary Gregg W1DGC and his XYL Betty K2DGW.



"Doc" Kelemen W1US - Vice President of Twin State Chapter 146.

The remainder of the meeting consisted of an interesting talk on Astronomy by Bruce Beford W1RX, arranged by Carl N1CB. The speaker discussed a general orientation of our place in the Cosmos, and in our own galaxy. He touched on many events after the Big BANG - some of violent origin such as galaxies, black holes, planet formation, meteors, comets, asteroids, solar flares etc. Limited time prevented going into detail on these topics, but we look forward to deeper exploration of them in the future.

J. Gregg Stephenson W1DGC - Secretary



To love the world is no big chore — the problem is the miserable guy next door.

Chapter 149, Nutmeg

For political action, Nutmeg Chapter's Annual Meeting on May 12th, 2001, was pretty dull. The nominating committee proposed another term for the incumbents. The President repeatedly asked for nominations from the floor, but no one spoke up, so the committee's proposed slate was declared elected. Chapter leadership will continue to be: President - Paul Taylor K1AFI, V.P. - Wade Holcomb W1GHU, Treasurer - Rich Monahan K1FPP, Secretary - Don Steele W1NFG, Activities/Net Manager - Cal Bennett W1KHL. With a minimum of ceremony, Paul passed the gavel from his one hand to the other, and the program continued.

The program that followed was far from "dull". In fact it was a thrilling tale from Naval history, much more exciting than the election. We had as our guest speaker, Carl Bryson, of Waterford, Connecticut, one of the four remaining survivors of the sinking of the submarine, USS Squalus, off the coast of New Hampshire on May 23, 1939. Mr. Bryson explained how the accident occurred on the ship's maiden voyage, as a result of the malfunctioning of some improperly designed valves. During its initial dive, the ship dropped to the bottom, totally helpless. The after portion of the submarine was flooded and some 22 crew members who were trapped there, did not survive. 33 men managed to escape to the forward compartments and close the water-tight hatches. Thus, they were able to stay alive.

In a few days, surface ships found the sunken submarine in some 280 feet of water. A special diving bell, designed by Commander (later Vice Admiral) Charles B. ("Swede") Momsen, was used to raise the survivors to the surface. This has been termed "The Greatest Submarine Rescue in History." Carl Bryson told us many interesting details of his experience. The gripping story has become a New York Times Bestseller, "The Terrible Hours", by Peter Maas, and was portrayed on NBC Television, a couple of weeks after our meeting.

Don Steele W1NFG - Secretary

Chapter 154, Leo I. Meyerson

Another spring season in the Coachella Valley has come and gone and our part-time residents and snowbirds have left for the summer season.

Our scheduled April monthly luncheon was cancelled out of respect to Hazel Kirk NR6P who became a Silent Key on April 13, 2001 at the age of 90. Although not a member of QCWA, she participated in our meetings and was very active in all of the other club groups and organizations. At the age of 67 she acquired her Novice license and some six years later her Extra Class license. She was known as the Grand Lady of Amateur Radio in the Coachella Valley.

Chapter 154 lost another longtime member, Matthew Slavin III W6LDF on May 12, 2001. Matt was a lifetime member of QCWA and held an Extra Class license. Born in 1917, he was first licensed at the age of twelve. His WWII military career covered radar counter measures and electronic warfare equipment.

Another longtime friend of QCWA and active participant in all local ham clubs and activities was Julius Gottlieb KE6GMF, who passed away on May 7, 2001. Our monthly luncheon speaker scheduled for May 17th had to cancel at the last minute due to pressing business concerns. In lieu of a last minute change, the attendees enjoyed an open round table exchange of the "good old days." We all went back to our early days of first discovering electricity, crystal detectors and simple one tube receivers. Everything was covered and discussed from how and when we first received that coveted license and our first home-brew equipment. Not overlooked was World War II equipment and the pro-war transition to the world of solid state. It was agreed that newly ticketed hams who go directly to store-bought gear and have not experienced the thrill of building their own equipment and antennas, have missed out on that upon which amateur radio was built.

Chapter 154 is dark from June through September. Our next monthly luncheon meeting is scheduled for October 18th. See you in the Fall.

George M. Underberger W6WAS - President

Chapter 160, Utah

Another great turnout at Mesquite, Nevada, this group just keeps getting better each year. From 9:30 AM till 3:00 PM, we crowded in the pavilion. Drinks and snacks were readily available; a large batch of root beer was brewed for all to share, as well as pies, cakes, cookies, donuts, dips, chips, cracker, etc. Special afternoon entertainment was provided by Alvino Rey and his banjo. We heard standards, rousing marches and sing alongs - something for everyone. It was a pleasant and most enjoyable surprise for us.

Show and tell radio items provided more discussions. This was a fun day and was followed by dinner at Carollo's Supper Club with 52 partaking of another fine dinner. We were missing a few of our regulars due to health problems or other conflicting events but there were quite a few 1st time attendees and it was great to get acquainted with them. The annual dinner was held in the Salt Lake area and 26 were in attendance. We were able to visit with quite a few that were unable to make it down to Mesquite.

Our next chance for a meeting will be the Utah Hamfest at Ruby's Inn, Bryce Canyon, Utah and then our annual picnic will be in Lehi, Utah, the 1st Saturday after Labor Day.

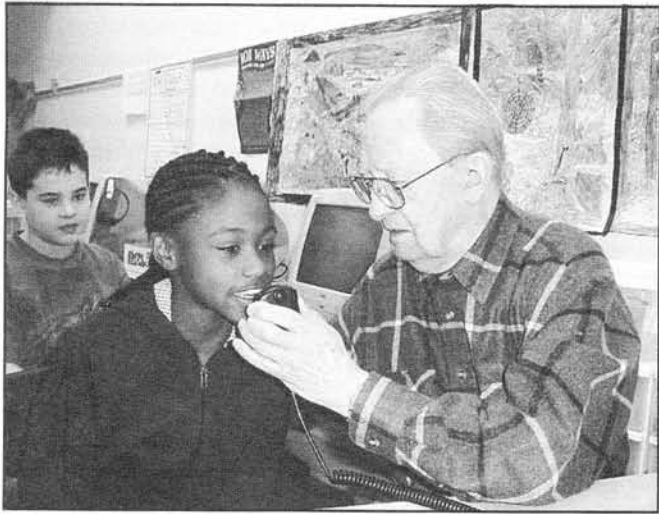
Maryellen Vaughan W7CKD - Secretary/Treasurer

Chapter 162, Southeast Wisconsin

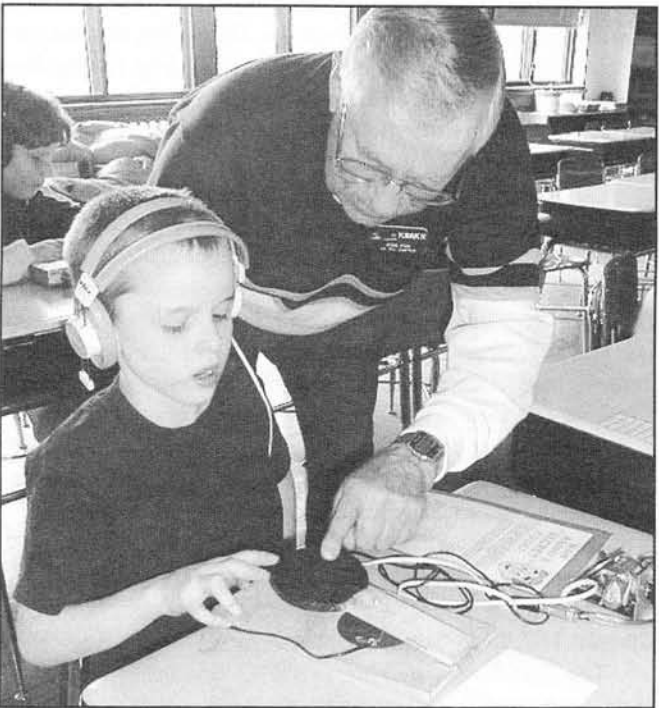
The first Friday in May found 13 Southeast Wisconsin Hams paired with staff and parents associated with Racine's Lutheran High School's annual Walk-a-Thon. The staff and parents checked the students through the seven check points on the 10-K walk. Our Amateur Radio Operators passed the traffic associated with this event. Chapter 162 had eight participants - Spencer Clope W9LDH, Al Algiers W9HR, Herb Ladwig W9PHJ, Ron Fox K9AKH, Bob Jensen W0WLN, Lloyd Gorsiski WB9RGO, Ed Konicek W9NVK, and Larry McCalvy

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WA9JMO. The Chapter was aided by long time event supporters - Mike Melink N9PMO, Rick Panyk KG9ER, Bill Firchow NW9P, Kathy Madson N9ZWN and 17-month old daughter Kerra, and joining us this year was Tammy Gardner KB9SXI. Each participant received a letter from the school thanking us



Spencer Clope W9LDH assists a fourth-grade student with a two-meter repeater contact during Racine, Wisconsin's Red Apple Elementary School's Option Program.



Ron Fox, K9AKH is showing a fifth-grade student the finer points of communication utilizing Morse-Code, a very large wooden "key" and the code as presented on the back of ARRL's Archie Comic Books. Amateur Radio was the Option's Program event for 12 third to fifth grade students of Racine (WI) Red Apple Elementary School and Chapter 162 members on the last Wednesday in March.

for our communication support and a "T" shirt commemorating the event. It is always difficult to tell who enjoys the outing the most - the students, staff, parents, or communicators. This is a most worthwhile community activity that enriches the school, its students, their parents, and the staff. We are happy that we were able to lend our support to this great endeavor.

Dayton Hamvention 2001 was wonderful! So much to see and do; so little time in which to do it. Four of us - Dave Whitham K9DQ, Rob Madson KF9ZT, Dan Miller KA9OIL, and Larry McCalvy WA9JMO, departed Racine at 10 AM on Thursday, May 17th for the Comfort Inn in Piqua, Ohio (a half hour drive North of Dayton's Hara Arena Hamvention). The three-day event, Friday, 8 AM to 6 PM, Saturday, 8 AM to 5 PM, and Sunday, 8 AM to 1 PM, afforded our gang amply opportunity to walk around and through the 4,000 outside vendors and 800 inside display areas. Bargains were abundant for the knowledgeable, swift shoppers and the all day rain on Friday allowed everyone a greater opportunity to examine the wares offered by the inside vendors. The limited time again prevented me from participating in any of the forums - and there were many offered, all day long over the three-day gathering. Each day we walked and each evening we hit the hot tub to soak our aches and pains away. Since we each ran off to enjoy our four-day adventure and left an XYL at home to fend for herself, we thought it only fair to call her from the hotel's hot tub and tell her what a terrible time we were having because she was forced to stay at home while we went off to play.

Our audit committee had a meeting with the chapter's financial books and found everything to be in order. According to their May 21st report, we are still a solvent entity.

I am happy to report that Fern Fisher W9LCJ has moved back home concluding a four-month stay with her daughter after leaving the hospital. A trip to the "Candy Store" netted a new radio to welcome her back to repeater operations on Lakeshore's 147.870/270 machine. Fern, it is nice to hear your melodious voice once again on the airwaves.

Our congratulation to Al Algiers W9HR on his recent First Place finish in the International (telegraph) Amateur Radio Union (IARU) HF World Championship. Al placed first for single operator, CW only, in the Wisconsin Section.

I would like to welcome Edward Macke WB9RJQ, Mundelein, IL and Thomas Jenkins WB9WNZ, Gurnee, IL to Chapter 162 bringing our membership to 21.

Larry McCalvy - President

Chapter 166, Colonial

It was with great sorrow that our chapter mourned the loss of our president, Tom Jones W3BED...

The chapter meets the second Wednesday of the month at the Villanova diner for breakfast, and good fellowship prevails.

There also is a luncheon meeting whenever there is a fifth Wednesday in the month. We meet at Ludwig's Inn on rts 401



New president of Chapter 166 Bud Davis K3WAC, right and our workhorse secretary Woody Sbei W3TTW on left.

& 100 in Glenmore PA. Ladies are invited and we usually have a good program. Our annual picnic in June at the QTH of W3TTW is always a great family affair.

Charlie Stouth W3ZPP

Chapter 169, Sacramento Valley

Boy, how time flies between quarterly reports. We still have a meeting place problem and the facility changes each month, so if anyone is interested in attending a meeting, contact our President, Paul Wolf W6RLP, as below.

Meeting talk topics continue to be quite varied and very interesting. We had a video about the nuclear submarine "Hawkbill" and its trip under ice from Hawaii to the North Pole in the Arctic Circle. Other videos were in regard to a spacecraft sent to land on an asteroid named Eros, and a devastating tornado near Oklahoma City, which killed 41 people. We also saw a NOVA presentation on DNA called 'Human Genome Project'.

The Chapter meets the second Wednesday of each month around 7 a.m. with a no host breakfast around 8 a.m. The meeting generally takes place after breakfast. YLs are always welcome. For meeting location or additional information please contact Paul Wolf at (916) 489-8112.

Gary Stilwell KI6T - Secretary/Treasurer

Chapter 181, Hudson Valley

The Chapter Annual Meeting was held on April 28. A buffet luncheon at the Tarrytown Hilton, Pennybrldge Tavern was enjoyed by 28 members and guests.

Frank Fallon, N2FF, (QCWA member 22021) who is Director for the ARRL Hudson Division, made a strong request for help by writing our State legislators to pass a radio tower bill which would eliminate the local hassles which many hams now face. Also, he noted an alarming trend wherein commercial services are outbidding ham organizations to take over the best repeater antenna locations.



Left to right: Chapter 181 members who received awards. Tony Quadrine NX2H - Century Club. Gold Certificates were awarded to Harry Dunning W2HMD - 50 years, Harry Moore W2JQS - 65 years, Bill Hellman NA2M - 55 years and Dick O'Brien NJ2J - 65 years. Photo: Frank Lauri N2IX

The annual election retained the same officers: President - Harry Moore W2JQS, Vice-President - Sy Yuter W2NBT; Secretary - Dick O'Brien NJ2J, and Treasurer - Stan Egelberg W2WQK. The Directors now Include: Sandy Fried N2SF Frank Lauri N2IX, Lou Leonard WA2UIJ, Jerry Mulberg W2MJP, and Dick Robinson W20ZA.

New members Harry Dunning W2HMD and Claude Sartorius N2CXG, were Introduced. George Goerling K2DCL was cited as the guy who sold his home in 4 days preparatory to moving to Cape Cod!

Interesting "how-we-became-hams" talks were given by Florence Smith KB2JKC and by Gus Levy W2LAP. Florence's late husband had been a Navy radioman at Pearl Harbor. Needless to say his whole family became hams including Florence and son Dwight N2FMC, also a member. Gus became Interested when a little kid in depression-ridden New York City. He and a friend learned the code and the written material and got their licenses at an early age. Then came the big, scary thrill—the first on-air contact!

Recipients of QCWA awards Included Tony Quadrine NX2H - Century Club, and of Gold Certificates: Harry Dunning - 50 years, Harry Moore - 65 yrs - Bill Hellman, NA2M - 55 yrs & Dick O'Brien - 65 yrs.

After a lively drawing of prizes, including a watercolor by member Gus Psaras WA2KQR, the meeting was adjourned.

Dick O'Brien NJ2J - Secretary

Chapter 182, Northeast Tennessee

The summer meeting of the Northeast Tennessee Chapter 182 of the Quarter Century Wireless Association was held at the Fish Tales Restaurant in Bristol Virginia at noon on Saturday 2 June 2001.

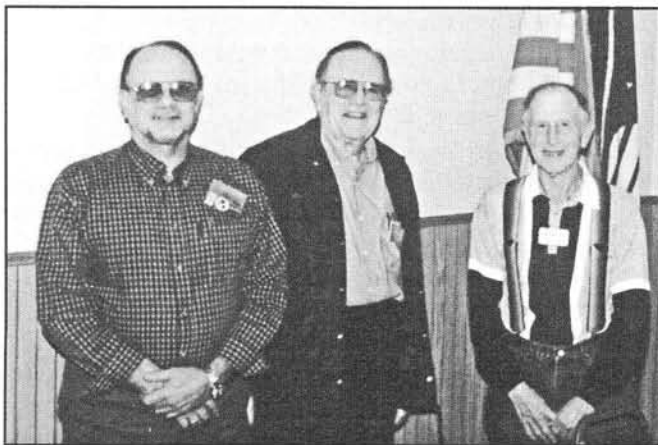
There were 21 members and guests attending the luncheon meeting. In attendance were the outgoing president Dillard Graham WA4NZT and his XYL Nora. Also in attendance was

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John Sanders WB4ANX, who was installed as the new president, and he was accompanied by his XYL Mary. Charles Perry K4OZX attended and was installed as the new vice president. Bill Price W4CZ was in attendance and is remaining as the Secretary Treasurer.

Others in attendance were: Bob Lane KI4V and his XYL Lena, Phil Poling W4DNZ, Margaret Roberts W8BFQ, Bill Owen W4VS, Roy Hill W4PID and his son Howard Hill (guest), Ozzie Osborn WU4W and his XYL Carolyn WS4Z, Charles Whicker K4ITV, Don Gilbert W4EHI and his XYL Barbara K4RRN, Jim Clark W4HRT, Bob Lilly W4BCU and guest Willard Caudill KB4JTA.

Dillard WA4NZT welcomed those attending and thanked all for coming. Bob KI4V offered the invocation before the meal. Bill W4CZ reported on the sound condition of the treasury, and presented a list of paid up members as of 31 December 2000 from National QCWA Headquarters. Dillard WA4NZT, the outgoing president, turned over the symbolic invisible gavel to John WB4ANX, the new president, and recognized the new vice president Charles K4OZX.



From the left: Bill Price W4CZ Secretary/Treasurer, John Sanders WB4ANX President, and Charles Perry K4OZX Vice President.

Discussions followed as to the fall meeting. John WB4ANX suggested meeting at the local Kingsport, TN 911 facility for a tour of the building and services. John WB4ANX was one of those individuals instrumental in helping set up this facility. After the tour of the facility, the members would adjourn to a restaurant across the street for a luncheon. Members voted in favor of the suggestion for the fall meeting.

There was no scheduled program for this meeting and good fellowship was enjoyed by all. There were lively discussions of how we entered the hobby many years ago and how amateur radio has affected our lives.

After a very fine meal the meeting was adjourned at 1 :45 PM.

William D. Price W4CZ - Secretary/Treasurer

Chapter 188, Lost River

QCWA Chapter 188, Lost River Chapter, meets each month for lunch at Mike & Kathy's Restaurant in Klamath Falls, Oregon, and a faithful number of members attend regularly. In fact, we nearly fill one end of the building. We have a visiting good time followed by lunch and a short meeting. We are all looking forward to Spring weather.



Left to right: Carolyn Books, President, presents Dale Mueller, W7GQJ, his 50-year certificates.

Recently, Dale W7GQJ was presented with two certificates, 50-year and 50-year continuous. In the picture with Dale is President Carolyn AB7ET.

There has been some discussion on the Endowment Program and it does make us think about the future.

Carolyn AB7ET

Chapter 196, Edison

Wow, what a dry and hot spring! Our members are scattered all over the country right now. The seasonal visitors to Chapter 196 have returned to their summer homes and our luncheon attendance has diminished proportionately. Look out for the rainy season, remember to disconnect those antennas when the storms approach. A group of us are preparing to get aboard the Westerdam and head out to sea for the annual QCWA convention sponsored by Chapter 162. We are all looking forward to visiting with our counterparts and making many new friends on the cruise. The local field day and QCWA contests were well represented with Members pounding the brass and scoring points while enjoying our hobby to the utmost. It is always nice to get into the pileups and come out with the contact. I am happy to announce that our secretary Jan Scheuerman, formerly KJ4N, has opted to be heard as WA2YL these days. Jan is an avid traffic Handler and she wants everyone to know about her dedication to the YLRL. As a very dear friend of Jan's, I can tell you that her new call will be in many

log books in the future and each person contacted will be inspired by her warmth and dedication to amateur radio service. I want to welcome Frank Harris, WA4PAM, and Vern Gerwer W6LDY, to the ranks of the QCWA as new members of Chapter 196.

I had a very interesting QSO recently with a friend of mine from way Back in our novice days. I have a regular schedule with Bert Buganski WA8TTZ, from Hudson, Ohio, on 20 meters almost nightly. We have been talking about trying to make a 6 meter contact for a year or so now that 6 is open again. We put a plan together and it worked out! Bert and I made a 6 meter QSO after not having done so for over 35 years. We talk about that contact with pride and even exchanged QSL's to show off that memorable day. It just goes to show you that with amateur radio and the spirit that goes along with it, you can do it all. The next project for us will be to make a QSO on sked from the ship during the QCWA convention aboard the Westerdam.

There are a couple of chapter members who will be working at the Miss America special event station in September. Listen for K2BR and you will get an up to date, live on the scene report from Convention Hall in Atlantic City, New Jersey. The operators will be the guests of the Miss America Organization and they will provide an important series of relays to the parade officials via amateur radio. I hope Southwest Florida survives another hurricane season without getting caught up in harm's way. I know for sure though that we have a great bunch of operators who will help with communications if necessary.

Tad Burik WA8PXL - President

Chapter 202, Old Dominion

President Leland W. Smith Jr. called the April 18 meeting of QCWA "Old Dominion" Chapter 202 to order at 12:20P.M. in Lynchburg, Virginia.

The 11 members and 8 guests stood and introduced themselves and told a bit about their ham radio history.

Stan Reas K4UK, outgoing Secretary/Treasurer passed out copies of the Treasurer's Report showing a Balance of \$244.25 of which \$44.00 were Designated Funds making an Operating Balance of \$200.25. The Report was duly accepted.

Stan Reas K4UK announced that the Old Dominion Chapter has obtained the "Vanity" call WW2DDM for use as a Special Event Station during the dedication of the National D-Day Memorial on June 6, 2001. The station will be in operation from June 6 through June 10. He described the proposed QSL card and passed around a sample.

The club made a donation to the Scholarship Fund in honor of our member, John Bush W4FOD who has been licensed 70 years. John's "70 Year's Certificate" will be presented at the next meeting.

Buddy then presented the "50 Year" Certificate to Harlan Mille, K1TT and the "60 Year" Certificate to Gene Walter W2CP.

The following slate of officers was elected by a unanimous vote: President - Leland W. (Buddy) Smith Jr., W4YE,

Vice President - Gene Walter W2CP, Secretary/Treasurer - Charlie Beckwith K4BSF, Directors - Riley Dudley K4ORD, Ken Post WA8SAK and Phil Roark K4WFO.

Dave Dunkelburger read an article written in 1990 suggesting that hams may well have to return to "Vintage Tube Type Radios" due to the failing economic conditions in the country. He commented that this may well be the case in 2001.

Gene Walter then gave a very interesting talk and discussion of Ham Radio back in the depression days prior to World War 2. Including a description of how crystals were ground to the desired operating frequencies.

The club decided to hold a meeting in concert with the Roanoke Valley ARC Hamfest in Vinton, Virginia in August.

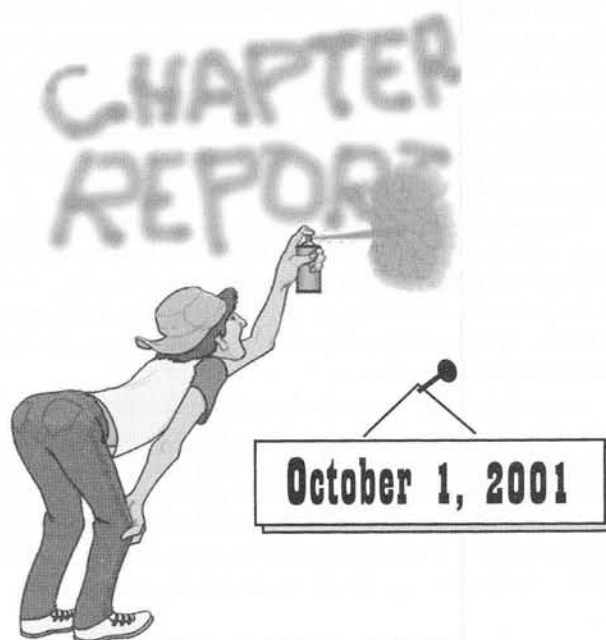
Charles E. Beckwith K4BSF

Chapter 206 Honolulu

The monthly meeting YES MONTHLY meeting is held on the last Friday of every month at the Sizzler Restaurant at Pearl Ridge. Every day in Hawaii is wonderful, 75 to 85F, flowers in bloom. Our monthly meetings are over breakfast, and the first members arrive at 0730, but you either order from the menu or choose the buffet so time doesn't matter. Guests are welcome, both QCWA visitors to Hawaii and those not yet in QCWA.

We have two members of the Chapter signed up to attend the Cruise Annual Convention in October and November. 20% of the Chapter attending so far, not a bad start for a brand new Chapter.

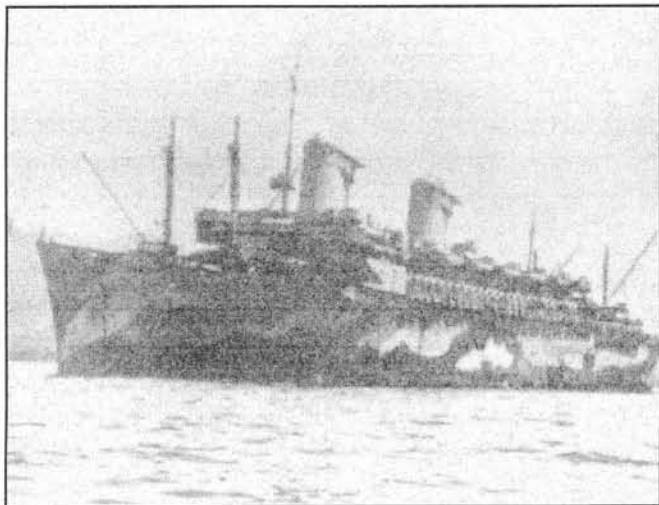
The normal meeting turnout varies from 5 to 15 and there is room for as many as chose to attend. We are considering a Club Station with a suitable QCWA related Callsign, we'll decide in due time what we want to do. Right now, we just enjoy ourselves.



A PACIFIC EPISODE

By Bill Jackson W6HDP, QCWA 13,290

Sailing out of Pittsburgh, California on January 11, 1944 for parts unknown at the tender age of 24 has remained a vivid memory very much alive for over a half century. The U.S.S. West Point, formerly the popular cruise liner SS America prior to World War 2, now converted to a troop transport, was performing her patriotic wartime duty. Loaded with over 15,000 Army troops, including my own outfit, the 112th Signal Radio Intelligence Company, the ship carried sealed orders revealing a secret destination. Rumors ran rampant aboard this monstrous ship as to where it was headed.



After a few days at sea, our Commanding Officer, Captain Barker, put our minds at ease - Destination Guadalcanal in the South Pacific. But he informed us that it would only be a short stay until our radio equipment arrived, a few weeks at the earliest preparatory to departure further up the Solomon chain of Islands to Bougainville where the 112th mission was slated to take place - Monitoring of the Japanese Army radio circuits.

Twenty-Eight days later after a zigzag course across the blue Pacific, we landed on Guadalcanal, secured only a short time earlier by Marines and Army troops at a tremendous loss of American lives, following the invasion in August 1942, the first step of the war in the Pacific. Many more Jap Islands would need to be conquered before we could claim a victory.

Meanwhile, relaxing on the beautiful and scenic Island of Guadalcanal had its fun filled moments, so for six weeks it was a new adventure - exploring the island, picking up souvenirs such as spent bullet cases, finding a few shrinking skulls hanging from tree limbs and enjoying swimming on the sandy beaches. It reminded me of the beaches in my old hometown back in Fort Lauderdale, Florida - we were having the time of our lives to say the least.

But all good things must come to an end as it did on March 11th when the first contingent of the 112th boarded an LST for a 3-day northerly cruise to our final destination, Bougainville. By now anxiety was replacing all those relaxed feelings - our mission was fast approaching and our thoughts brought back memories of Camp Crowder, Missouri, schooling in Kata Kana Morse code, practice on Japanese live circuits at the old camouflaged sheep ranch in Petaluma, California and a final dry run in the old fishing shacks near the Golden Gate Bridge while serving a two month stint at the Presidio.



*Sgt. Bill Jackson -
112th S.R.I. Co.*

Bougainville

After three days of surviving the hot and crowded spaces of the LST (most of us slept out on deck) our ship arrived at Empress Augusta Bay, the Eastern most entrance to Bougainville, dropped anchor off shore and all on deck got their first glimpse of the Island. The date was March 14, 1944. U.S. Marines had made the initial beachhead landing back on November 1, 1943, supposedly securing a portion of the Island, later relieved by two Army divisions, the Americal and the 37th - this was in December, 1943. This brought back memories of Noumea, Caledonia where the West Point had picked up wounded Marines on our way to Guadalcanal.

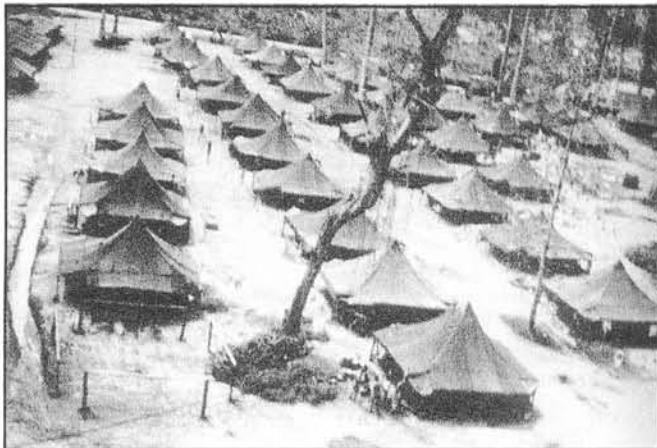
Some of these brave warriors had made the landing on Bougainville and had some hair-raising stories to tell - they informed us that Bougainville was totally secure and we had nothing to worry about.

Meanwhile, back on board the LST, preparations were made and we loaded onto amphibious ducks and motored ashore. Arriving on the Island, it was obvious that those Marines with the hair-raising stories were not up to date on happenings since December 1943. To begin with, the Island was in a black alert and Japanese troops had penetrated all the way back into Army Regimental headquarters the night before - Thus, the beginning of the second battle of Bougainville had commenced. To top it off, the Marines had secured only a 3 1/2 mile deep perimeter, which was in the form of a semi-circle, with the Americal division now on the left or South side and the 37th division on the other.

Nevertheless, it seemed quiet enough, so, locating the spot in the jungle that had been designated to be the 112th Company

area, we organized work teams and cleared the jungle. At the time I was a Buck Sergeant and headed up a work party.

After twenty-six 16 X 16 tents were in place, everyone, completely exhausted, were assigned living spaces, eight men to a tent. By this time it was late in the evening so after chowing down on K-rations, we all hit the sack, hoping for a restful nights sleep and anticipating the events of the following day.



Bougainville Tent City

Around 6 am the morning of March 15th, all hell broke loose. The first significant sign was a swooshing sound and it didn't take very long to realize this was incoming mail or Jap artillery. Luckily, foxholes had been dug the previous day and within minutes there were eight of us snuggled into the nearest one, some of the guys with nothing on but a pair of olive drab undershirts. Three more shells followed and the fourth one, a tremendous explosion, landed smack in the middle of the company, demolishing a tent.

At least an hour elapsed before anyone got up enough courage to venture out and see what had happened. What we actually saw was a stunned bunch of company officers and men, three dead comrades and about 15 injured. M/Sgt. Lloyd Lincoln, evidently not able to get out of his mosquito net and make it to a foxhole sustained a shrapnel hit through the head and died instantly. Sgt. Dusty Leyendecker got it through the upper body and Pvt. Cornett's head was almost blown off - he was in the demolished tent. Shrapnel holes penetrated most tents including mine displaying a gaping hole above my Army cot. Thank God I wasn't present.

After the smoke cleared and the dead were carted off for burial in the Bougainville cemetery, a memorial service was conducted by a local chaplain.

Anticipating this to be a daily occurrence, a decision by the Commanding Officer, his first one in combat, was to dig down 3 1/2 feet inside each tent so any shrapnel would pass over the inmates while sleeping. So, down come the tents and busy go the working parties until all tent plots were hopefully dug to a safe level. (See photo of company area with dirt piled around tents). Later on we discovered that the 112th area was situated only 200 yards from Piva Airstrip, the Japanese were aiming for the strip and obviously overshooting.

Except for a redundant air raid and an ammo dump erupting, things quieted down enough to begin thinking of operating and

performing our mission. Receivers and antennas were installed, telephone lines were laid between D/F sites and the plot shack and shifts were organized into Intercept, D/F and administrative duties.

My job assignment was head of a portable D/F section consisting of six men using the SCR-206 (Later labeled as a PRD-1 in the Vietnam war).

Operation

For a short time my D/F section was located on the left or South side of the perimeter where we encountered only an occasional Jap shell which didn't really interfere with operations. Most bearings were not that reliable anyway, due to mineral deposits on Bougainville - bearings could be off as much as 10-12 degrees from day to day. The Japanese Signal Corps operators kept schedules from outside caves in the hills, then retreating back into the cave on simulated railway tracks. Some of their schedules were redundant due to Rabaul having been blockaded and bypassed. It drove these Japs crazy when they couldn't make contact. (Usually would say, "BA KA" which meant "Fool")

Hill 608

My D/F section was later moved to Hill 608, the very top and deepest part of the perimeter, the Americal division on one side and the 37th on the other. Anything farther than 20 feet beyond was considered enemy territory and Army patrols went out every day - One soldier presented me with a Japanese rifle that he had secured while on patrol.



Some of the group of Bougainville GI's in one of their more peaceful moments.

The day before we arrived on Hill 608, a Jap shell had split a tree and left a large hole beneath - This was where we set up operations during the day and fought the battle of the mosquitoes at night until they finally sent up a 16 X 16 tent for us. Speaking of night, there was always the fear of a Japanese soldier climbing over the cliff located near our operation site and sticking a knife into one of us - I slept with a Thompson Sub Machine gun on full automatic every single night. After awhile we became nonchalant. One day I walked around the perimeter to visit one of my boyhood friends

who was with the 48th Anti-tank Company. When I arrived back at our D/F site it suddenly dawned on me what easy prey I was for a Jap sniper, even though I was carrying the sub-machine gun. I never did that again. Thank God we were only on Hill 608 for a month - It sure felt good to get back to the rear area. It was gratifying to be assigned to the plot shack and be on the receiving end of the bearings that came in. But the D/F results were the same, not very effective. Except someone once said that we took bearings on a Jap sub and learned later that it had been sunk. Also we lost one of the officers who was at a D/F site on Treasury Island - he was shot down in a small plane while commuting back and forth to the company on Bougainville.

As time went by, ten months in all, it was estimated that between 20,000-25,000 Japanese were killed during the months of March and April, 1944 on Bougainville, either by around-the-clock dive bombers or the 155 mm howitzers located in the rear area - while on Hill 608 it seemed the shells went right over our noses until we heard the explosion on the Japanese occupied hills also designed by number. I can only remember Hill 500 or Hill 600.

By the way, all of our Intercept traffic went down to Brisbane, Australia, Headquarters for Army Intelligence where the analysis and decryption took place.

On December 12, 1944, the mission of the 112th Signal Radio Intelligence Company came to an abrupt end on Bougainville and rumors were that the 112th was about to embark on a new mission at an unknown destination. This war still had a long way to go. And that's another Story...



The author, Bill Jackson W6HDP (r), as SW Director, Society of Wireless Pioneers (SOWP), receives the "Wireless Award" from Paul Dane, W6WOW - Executive Director of SOWP. The photograph was taken at the SOWP annual meeting in December 1991 at the ARRL SW Division Convention in Scottsdale, AZ. Harry Dannals W2HD was the featured speaker.

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45th Annual QCWA QSO Party

April 7th & 8th, 2001

	Call	Name	Ch	QSO's	Multi	Total
1	W2MM/Total	Group	162	235	128	30080
2	W5KL	Leland	63	250	65	16250
3	W4YE	Buddy	202	205	60	12300
4	W8EKR	Phil	135	148	66	9768
5	VE3BNO	George	70	149	64	9536
6	K2FJ	Ken	65	136	57	7752
7	W7YS	Bill	AZ	126	61	7686
8	DJ5GG	Guenther	106	108	49	5292
9	WW2DDM	Stan	202	132	40	5280
10	N6CMF	Phil	130	106	46	4876
11	W6ASH	Walt	11	116	39	4524
12	W9FHW	Herm	76	72	57	4104
13	W9HR/W2MM	Al	162	102	33	3366
14	K6SS	Len	130	67	50	3350
15	W0WLN/W2MM	Bob	162	69	46	3174
16	AB2N	Arnold	138	100	30	3000
17	K1AA	Norm	45	84	34	2856
18	W3UHP	Ernie	6	80	31	2480
19	N1RA	Bob	53	87	26	2262
20	K4HBI	Mike	49	52	35	1820
21	K4SUS	Tom	12	42	43	1806
22	W6NKR	Marion	169	56	32	1792
23	W1KKG	Sperry	149	45	36	1620
24	K1GGI	Ed	MA	54	27	1458
25	W0HXL	Dick	25	41	33	1353
26	KJ4N	Jan	196	54	25	1350
27	WA1PFC	John	112	48	26	1248
28	W3FYK	Bill	17	51	24	1224
29	VE3AHZ	Jack	70	42	27	1134
30	W3FZV	Phil	16	52	20	1040
31	VA3ZBB	Rod	70	54	19	1026
32	W3TDF	Ray	17	39	24	936
33	W2VEX	Norm	65	40	23	920
34	DL1NP	Ben	106	48	19	912
35	W3TZW	Roy	6	46	19	874
36	K0LWV	Larry	MO	47	18	846
37	VE3DWH	Harold	73	32	26	832
38	W9FXA	Jim	2	40	18	720
39	W3ZMN	Conrad	17	35	18	630

	Call	Name	Ch	QSO's	Multi	Total
40	W8YA	Bill	76	38	16	608
41	WB8ZWW	Wayne	OH	34	17	578
42	KC9IS/W2MM	Phil	162	26	21	546
43	K4ORD	Riley	202	40	13	520
44	W8QM	Cliff	10	36	14	504
45	W2EWT	Bill	65	26	19	494
46	W1GJ	Norm	134	27	17	459
47	K4AXB	Charlie	45	28	15	420
48	WA8PXL	Tad	196	18	19	342
49	W3MWY	George	20	26	13	338
50	W4HU	John	91	24	14	336
51	K4BXD	Emil	FL	24	13	312
52	N9NBC/W2MM	Ken	162	22	14	308
53	K4BSF	Charlie	202	13	13	169
54	W7LVN	Jim	108	12	14	168
55	K9VKY	Brian	6	18	8	144
56	W4AGI	Victor	202	18	8	144
57	K4LVZ	Gerald	45	10	14	140
58	W3TFA	Stan	23	20	7	140
59	K6KJK	Don	130	9	15	135
60	W6HG	Hugh	130	18	7	126
61	K4AVH	Bill	128	9	13	117
62	KI6T	Gary	169	9	10	90
63	W9HDI	Charles	WI	9	9	81
64	K9DQ/W2MM	Dave	162	10	8	80
65	N4LD	Lew	195	8	10	80
66	WB2CJE	Harold	138	8	10	80
67	WB9YDU/4	Linda	FL	8	9	72
68	K4IJK	Janice	112	7	8	56
69	WD9DJD	Paul	2	7	7	49
70	K4IX	Bus	119	12	4	48
71	W6HV	Troy	130	9	5	45
72	NS30	George	6	6	6	36
73	W9NVK/W2MM	Ed	162	6	6	36
74	W1BCV	Charles	134	5	7	35
75	W3LHN	Bill	6	5	5	25
76	N1ASJ	Pete	195	6	3	18
77	W9KI	Howard	SC	2	2	4

Wait till Al reaches 100

At 91, Alfred Long W5EKE receives Public Service Award

Al Long W5EKE is 91 years old and a member of the Tex-La Golden Triangle Chapter 51 in Beaumont, Texas. In his short note, Al says he's been licensed 72 years and "radio has served me well all these many years..." After reviewing the text of the award, it would appear that Al has served radio well.

Al has dedicated a significant portion of his "career" to the Beaumont Police Department and the citizens of Beaumont. The tribute to Al on the Public Service Award presented on March 2, 2001 speaks for itself:

Alfred B. Long at 91 year young is one of the most active social volunteers the City of Beaumont has ever seen. And, many of his volunteer activities directly benefit law enforcement officers and the communities they serve. Mr. Long is a current and active member of the Beaumont Citizens On Patrol; participates in a variety of activities benefiting Special Olympics; is a lifetime member of the 100 Club of Jefferson and Hardia County; and is the first lifetime member of the Citizens Police Acad-



emy Alumni Association. His other activities include serving as an advocate for several community services such as the Seniors and Law Enforcement Together; volunteering at local hospitals; publishing a pamphlet "Meditations" which he distributes to area hospitals, police officers and community members; and providing research on various police and community issues. Mr. Long has carried the Olympic torch and was featured on "Good Morning America" as an outstanding American citizen and volunteer.

Mr. Long is a kind, spiritual, motivational and compassionate man who puts others before himself. he is truly a dedicated friend and supporter of Law Enforcement.

In recognition of his outstanding contributions and services rendered to the Beaumont Police Department and the citizens of Beaumont, Texas, the Beaumont Police Department is proud to present its

Public Service Award to Alfred B. Long on this 2nd Day of March 2001.

SETI League Receives Club Callsign

Little Ferry, NJ., February 2001 — The SETI League, Inc., a grass-roots international alliance of amateur and professional radio astronomers seeking scientific evidence of other technological civilizations in space, has been granted a unique ham radio club callsign by the US Federal Communications Commission (FCC). Special events transmissions and SETI League on-the-air activities, including a planned calibration beacon which will soon bowl microwave signals off the surface of the moon, will henceforth be identified by the callsign W2ETI.

"This is a valued callsign," states SETI League executive director Dr. H. Paul Shuch, "because it uniquely identifies The SETI League and its global mission. The first letter, W, is an international designation for radio transmissions originating in the United States. The number 2 designates a region which includes the state of New Jersey, where The SETI League's international headquarters is located. And the suffix ETI refers, of course, to Extra-Terrestrial Intelligence, which defines the signals which our member seek."

Shuch is himself a lifelong amateur radio operator, with the personal callsign N6TX. The SETI League counts, among its 1200 members in over 60 countries, several hundred radio amateurs.

So-called ham radio operators are licensed by their respective governments for public service use of the radio spectrum, including the pursuit of scientific research. "However," Shuch hastens to point out, "a ham radio license is not a prerequisite to SETI League membership, and is not required when listening for signals from the stars."

SETI scientists seek to determine through microwave and optical measurements whether humankind is alone in the universe. Since Congress terminated NASA's SETI funding in 1993, The SETI League and other scientific groups have been attempting to privatize the research. Experimenters interested in participating in the search for intelligent alien life, or citizens wishing to help support it, should visit us on the Web at <<http://www.setileague.org/>>, email to join@setileague.org, send a fax to 1 (201) 641-1771, or contact The SETI League, Inc. membership hotline at 1 (800) TAU-SETI. Be sure to provide us with a postal address to which we will mail further information. The SETI League, inc. is a membership-supported, non-profit [501(c)(3)], educational and scientific corporation dedicated to the electromagnetic Search for Extra-Terrestrial Intelligence.

Silent Keys

With sadness we record the passing of these members

NAME	CALL	MEMNUM	L	SK	CITY	ST
CROSBY, VERTICE E	W0BTM	11413		2001	ALMO	TX
STEVENS, ROSS W	W0XJ	24692		2001	ELLSWORTH	KS
LOOS, KURT	DL1XT	13477		2001	GERMANY	
ATKINS, LEE E	W1AWX	18794		2001	STAMFORD	CT
NICHOLS, RALPH E SR	W1CNU	04162		2001	DARIEN	CT
D'AGOSTINO, PHILIP V	W1KSC	17257		2001	WALLINGFORD	CT
BOLDEN, DONALD L	WA1KPO	26477		2001	WESTMINSTER	MA
DE GARMO, ARTHUR V	K2AGT	12403	*	2001	DE BARY	FL
KENNEDY, WILLIAM H	W2AS	00036	*	2001	SUNRISE	FL
UTLEY, W A	W2CB	05818	*	2001	MONROEVILLE	NJ
HOWELL, DONALD L	W2FIB	15427	*	2000	SEBRING	OH
KREVSKEY, SEYMOUR	W2JBI	06681	*	2001	LITTLE SILVER	NJ
LEWIS, VIRGIL K	W2NXW	13828		2001	DELRAN	NJ
POVALL, HENRY C	WB2RJO	23279		2001	PLEASANTVILLE	NY
SCHULZE, KURT	DL3WF	16200		2001	GERMANY	
DOLENTI, ALFRED	K3ZMC	26558		2001	ROYERSFORD	PA
CREED, FRED	VE3DZ	14281	*	2001	KITCHENER	ON
CRUIKSHANK, W B	VE3NX	10515		2001	WINGHAM	ON
HALL, DOUGLAS G	VE3TB	09275		2001	GUELPH	ON
WATERS, FIELDING O L	W3DIP	07333		2001	BENSALEM	PA
GOULD, ROY C	KL4T	13160		2001	ANCHORAGE	AK
LE CUREUX, WAYNE A	N4DHN	17621		2001	NAPLES	FL
HAYES, WILLIAM L SR	W4AFM	07385		2001	ASHEVILLE	NC
LOWREY, ROBERT E JR	W4DQW	18261		2001	BRADENTON	FL
AVANT, VERNON E	W4NVS	22954		2001	NAPLES	FL
JOHNSON, EDWARD A	W4UZG	30512		2001	ORLANDO	FL
HICKS, EUGENE	W4WDL	28140		2001	ALBUQUERQUE	NM
RAUSCHER, AL	K5CXP	15662		2001	MIDWEST CITY	OK
PATTERSON, JOE C	W5VY	11455		2001	SAN ANTONIO	TX
SUYDAM, WILLIAM O JR	WB5CKY	29421		2001	BATON ROUGE	LA
SAVAGE, BILL	VE6EO	11656	*	2001	LETHBRIDGE	AB
STRANGE, ARTHUR	VE6RMP	19877		2001	MEDICINE HAT	AB
DODERO, ED	W6BR	11566	*	2001	SAN DIEGO	CA
SLAVIN, MATTHEW III	W6LDF	21342	*	2001	INDIAN WELLS	CA
NYE, WILLIAM A	W6LXP	01887		2001	SEATTLE	WA
BROWN, R H	W6OVX	06748		2001	SAN DIEGO	CA
OTT, WILLIAM F	K7BJ	20694		2000	OVERTON	NV
BENDER, HAROLD E	K7ZIE	05384		2001	EUGENE	OR
NISLE, ROBERT G	NO7B	16648	*	2001	IDAHO FALLS	ID
SAVAGE, H E	VE7FB	03721		2001	VANCOUVER	BC
CLARK, THOMAS	VE7TE	10839		2001	BURNABY	BC
OLIVER, JIM	W7BPS	22431		2000	BOUNTIFUL	UT
MORLEY, MYRVAN R	W7CFF	22969		2000	ELKO	NV
STARR, BOB	W7UE	15370	*	2001	RAYMOND	WA
APSEY, JAMES J	K8JA	24868		2001	TOLEDO	OH
FIFER, THOMAS J	K8KBF	04879	*	2001	SAGINAW	MI
AMOS, WILLIAM J	K8THY	18417	*	2001	FAIRBORN	OH
NEAL, FRANK R	N8FN	29747		2001	STILWELL	KS
DEL MANZO, EARL C	N8UQK	25870		2001	BRECKSVILLE	OH
VERGON, MARVIN G	W8AHA	10496		2001	SUN CITY CENTER	FL
PROSKE, EDWARD	W8KEJ	08099	*	2001	CINCINNATI	OH
BECKER, CHARLES H	W8PAU	04549	*	2001	CINCINNATI	OH
SMITH, EDGAR A	W8RKL	13153		2001	DAYTON	OH
O'NEILL, HUGH	W8SJS	04794		2001	EUCLID	OH
SWENSON, ARTHUR JR	W4OPY	11352		2001	ATLANTA	GA

* The Summer issue of the Journal erroneously listed Duane Baillie W7COD as a Silent Key. Mr. Baillie called and assured us that reports of his demise were incorrect. The Journal apologizes for the error.

Rules for the 45th Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 2001 QSO parties. All licenced Radio Amateurs world wide are invited.

Time/Dates: Two parties will be held in 2001. The first one shall commence on **7 Apr. 2001 at 1900 Hrs UTC** and the second one shall commence on **06 Oct. 2001 at 1800 Hrs UTC**. Each will run for a **period of 24 Hours**.

Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 Mhz

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one QSO per Band. However, any station in your home chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands).

No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). A **Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. A **Multiplier of 3 points** will be given on each of the 15 Bands for working our Special Events Station **W2MM**. It is hoped to have this station active throughout the two parties. Stations within 50 miles (80 Kms) of W2MM, may work W2MM only once for a total multiplier of 3 points. This year the station will operate in the vicinity of the Chapter 162 Headquarters in Racine Wisconsin.

Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE.

Address is 159 East 16th Ave., Eugene OR 97401-4017

Awards:

Certificates will be issued for the top 3 World Scores.

A certificate will be issued for the top score in each participating Country.

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a Summary Paragraph as shown below.

<u>QSO's</u>		<u>Contact Points</u>
CW Contacts	_____ x2	= _____
Phone Contacts	_____ x1	= _____
Total Contact Points		= _____ (A)
Multipliers		= _____ (B)
Total Score = A x B		= _____

Send your logs, together with the above summary paragraph to the following address within 30 days of the QSO party. All participants are encouraged to send in logs no matter how few or how many contacts are made.

Send Logs to: WØHXL, Dick Newsome, 2924 North 48th Street, OMAHA NE 68104-3726, U.S.A.

2001 QSO PARTY

Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

[illegible]

How Cryptology enabled the United States to turn the tide in the Pacific War.

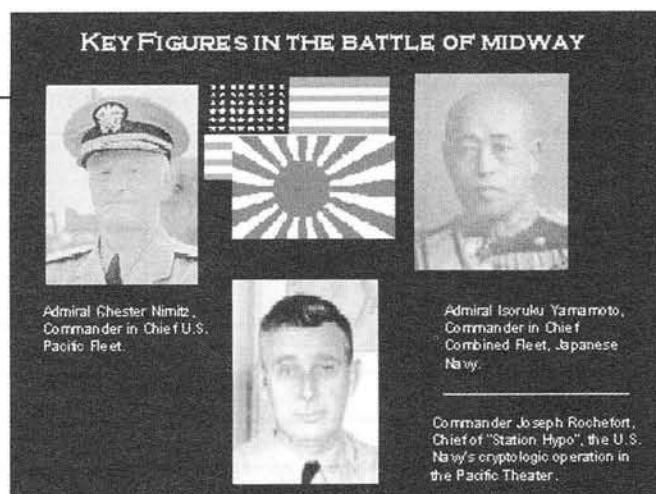


A Precarious State of Affairs

In late spring of 1942, the Allied war effort in the Pacific was in a precarious state. The combined elements of the Japanese Empire's armed forces had moved from victory to victory. The Pacific fleet, save for several aircraft carriers, had been left in ruins. It appeared that Japan's plans for reducing American and Western hegemony in the Pacific would become a reality. Admiral Yamamoto, the leader of Japan's naval efforts in the early days of the Pacific campaign, had promised that at the outbreak of hostilities he would "run wild for a year," but that he had "utterly no confidence for the second or third year." As a young naval officer, Yamamoto had traveled extensively in the United States and was well aware of America's industrial capabilities. His goal was to force the U.S. to sue for peace before this industrial might could be directed against Japan. With this goal in mind, he sought to lure the American Navy into a decisive battle, in which it would be forced to deploy its remaining assets, thus providing his forces an opportunity to administer one final knockout blow.

While Yamamoto plotted to bring a quick end to war in the Pacific Theater, the United States Navy in the Pacific, led by Admiral Chester Nimitz, was desperately trying to anticipate Japan's next move. Nimitz, unlike his counterpart, had little room for error. At the time of the battle, his 3 aircraft carriers, 45 fighting ships, and 25 submarines were all that lay between Hawaii and the West Coast and a large Japanese Fleet that had yet to suffer a significant defeat. It appeared that Nimitz would have one shot at the enemy. A miscalculation by Nimitz on where Yamamoto would strike next would not only be disastrous, but also possibly fatal to the Allied war effort in the Pacific.

OP-20-G and Station Hypo



In order to prevail, Nimitz had to have some sense of Japan's intentions. The task of obtaining the critical information required to turn the tide in the Pacific fell to OP-20-G, the Navy radio intelligence organization tasked with providing communications intelligence on the Japanese Navy. Established in the early 1920s by Laurence F. Safford, the "Father of Navy Cryptology," OP-20-G was key to Nimitz's planning. In addition to his earlier cryptologic efforts, Safford had played a major role in placing Commander Joseph Rochefort in command of Station Hypo, the Navy's

codebreaking organization at Pearl Harbor. Over a period of 18 years, OP-20-G had developed a highly skilled group of officers and enlisted men.

In 1942 Rochefort and his staff began to slowly make progress against JN-25, one of the many Japanese command codes that had proven so challenging to the Station Hypo team. JN-25

was the Japanese Navy's operational code. If it could be broken, Rochefort would be able to provide Nimitz the information he needed to make wise and prudent decisions concerning the dispersal of his precious naval assets.

The Breaking of JN-25

Breaking the Japanese code known to Americans as JN-25 was daunting. It consisted of approximately 45,000 five-digit numbers, each number representing a word or phrase. For transmission, the five-digit numbers were super-enciphered using an additive table. Breaking the code meant using mathematical analysis to strip off the additive, then analyzing usage patterns over time, determining the meaning of the five-digit numbers. This complex process presented a challenge to the officers and men of Station Hypo, but Rochefort and his staff were able to make progress because the system called for the repetitive use of the additive tables. This increased the code's vulnerability. Even so, the work was painfully slow. Prior to the attack on Pearl Harbor, only 10% to 15% of the code was being read. By June of 1942, however, Rochefort's staff was able to make educated guesses regarding the Japanese Navy's crucial next move.

AF Is Short of Water

In the spring of 1942, Japanese intercepts began to make references to a pending operation in which the objective was designated as "AF." Rochefort and Captain Edwin Layton, Nimitz's Fleet Intelligence Officer, believed "AF" might be Midway since they had seen "A" designators assigned to locations in the Hawaiian Islands. Based on the information available, logic dictated that Midway would be the most probable place for the Japanese Navy to make its next move. Nimitz however, could not rely on educated guesses.

In an effort to alleviate any doubt, in mid-May the commanding officer of the Midway installation was instructed to send a message in the clear indicating that the installation's water distillation plant had suffered serious damage and that fresh water was needed immediately. Shortly after the transmission, an intercepted Japanese intelligence report indicated that "AF is short of water." Armed with this information, Nimitz began to draw up plans to move his carriers to a point northeast of Midway where they would lie in wait. Once positioned, they could stage a potentially decisive nautical ambush of Yamamoto's massive armada.

"The Battle"

Due to the cryptologic achievements of Rochefort and his staff, Nimitz knew that the attack on Midway would commence on 3 June.

Armed with this crucial information, he was able to get his outgunned but determined force in position in time. On 4 June the battle was finally joined. The early stages of the conflict consisted of several courageous but ineffective attacks by assorted Navy, Marine, and Army Air Corps units.

The tide turned however, at 10:20 a.m. when Lt. Commander Wayne McClusky's Dauntless dive bombers from the USS Enterprise appeared over the main body of the Japanese invasion force. After a brief but effective attack, three of the four Japanese carriers, the Akagi, Soryu, and Kaga were on fire and about to sink. Later that day, Navy dive bombers located and attacked the Hiryu, the fourth and last major carrier in the invasion force, sending her, like the previous three, to the bottom.



Map Courtesy of National Geographic Society

Final Thoughts

As in any great endeavor, luck did indeed play a role, but Nimitz's "Incredible Victory" was no miracle.

Gordon Prange, the distinguished historian, noted that "Midway was a positive American victory not merely the avoidance of defeat." General George Marshall, the U.S. Army Chief of Staff, in his comments on the victory, perhaps said it best, "as a result of Cryptanalysis we were able to concentrate our limited forces to meet their naval advance on Midway when we otherwise would have been 3,000 miles out of place."

In the end, Yamamoto's worst fears had become a reality. Due to an impressive mix of leadership, determination and skill on the part of Admiral Nimitz, the officers and men of Station Hypo, and the pilots soldiers, sailors and marines who carried the fight to the enemy, Japan would be on the defensive for the rest of the war. The Rising Sun of Dai Nippon, which had shone so brightly for so many months, was beginning to set.

—Patrick D. Weadon

Ed. Note. This fine article was obtained from the National Security Agency (NSA) archives of History Papers - World War II Cryptology. One can view this article and more at the National Security Agency Official Website at: www.nsa.gov

New Members

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	STATE	SPONSOR	SCALL
04/02/2001	30904	HAMMOND, ROBERT	VE3EIL	GUELPH	ON	HAROLD BRAUN	VE3DWH
04/02/2001	30905	POPELLA, MARY	N3YL	TIDIOUTE	PA	-	-
04/02/2001	30906	POPELLA, ROBERT M SR	N3OO	TIDIOUTE	PA	-	-
04/03/2001	30907	EFFINGER, SAMMIE H	K9SD	ALTON	IL	KENNETH D SCOTT	W9VHLO
04/03/2001	30908	LEWIS, FRED L	W4LQX	PADUCAH	KY	ROBERT W BEADLES	W4KN
04/04/2001	30909	SUPINA, WALTER R	N3WS	REDINGTON BEACH	FL	ARTHUR KUNST	K3WM
04/05/2001	30910	GREENE, WALTER J	AA6LY	CATHEYS VALLEY CA	GEORGE J WEAR	W6RFL	
04/05/2001	30911	JENKINS, THOMAS C	WB9WNZ	GURNEE	IL	-	-
04/05/2001	30912	KOSMAN, CHARLIE	WB2NQV	WICHITA FALLS	TX	CHARLES NEAL	W5NRI
04/05/2001	30913	ROGERS, CLYDE D	WD4LWG	WESLEY CHAPEL	FL	-	-
04/06/2001	30914	JENNEWAIN, WILLIAM N	KOWIU	YANKTON	SD	-	-
04/06/2001	30915	POLLOW, GORCH	DF3MH	GERMANY		WERNER LEMBCKE	DL1ZC
04/10/2001	30916	BENNETT, CLIFFORD	W1AKB	HOLYOKE	MA	CLIFFORD E JUNKINS	W1UWX
04/10/2001	30917	CAPEHART, LAWRENCE DALE	WA0ZVK	DE SOTO	MO	KEN SCOTT	W9VHL
04/10/2001	30918	TIDMORE, CURTIS ALTON	W5HVK	BEAERTON	OR	BILL SHRADER	W7QMU
04/12/2001	30919	PEARSON, RUTHANNA	WB3CQN	DOVER	PA	RAY SHAUB	W3AXC
04/16/2001	30920	RAKER, BOB	W0BR	OVERLAND PARK	KS	-	-
04/17/2001	30921	SULLIVAN, JOHN	WB6GMJ	REDWOOD CITY	CA	-	-
04/17/2001	30922	WOLOSZYN, MICHAEL	WD8BMP	DOYLESTOWN	OH	-	-
04/18/2001	30923	KAEFER, ROBERT	K7EWC	SANDY	UT	-	-
04/19/2001	30924	BRAY, JEFF	W1GRS	CUPERTINO	CA	-	-
04/19/2001	30925	SAWYER, THOMAS A	WB8QLW	EUCLID	OH	-	-
04/20/2001	30926	GULLEDGE, KENTON E	K5CZD	WEST MONROE	LA	-	-
04/23/2001	30927	TRAPPER, RALPH PAUL	W9TWW	DES PLAINES	IL	-	-
04/23/2001	30928	KUPERS, RONALD M	W5XQ	FORT SMITH	AR	LELAND SMITH	W5KL
04/23/2001	30929	NORLOFF, ROBERT	W4GEX	ST PTRSBURG BEACH	FL	LELAND SMITH	W5KL
04/24/2001	30930	OSTMAN, RONALD W	W0NYQ	MT IRON MN		ROBERT R OSTMAN	W0BQV
04/26/2001	30931	KNOUSE, HENRY B	K7WAR	YAKIMA	WA	-	-
04/26/2001	30932	WHITAKER, CLETUS W	WB2CPN	NEWBURG	PA	CARLIN W MORRIS	WN3DUG
04/27/2001	30933	KINSEY, DAVID L	KS4BO	ROANOKE	VA	LELAND W SMITH JR	W4YE
04/29/2001	30934	GERBENS, CHARLES A	WA7WPG	MESA	AZ	-	-
04/29/2001	30935	FRENCH, GRANT H	W7GAP	SALT LAKE CITY	UT	MARYELLEN VAUGHAN	W7CKD
04/29/2001	30936	NICOLULIS, HARRY P	W6KCZ	SAN MARCOS	CA	HARRY A HODGES	W6YOO
05/01/2001	30937	CLARK, EUGENE C	W4AYK	ALBANY	GA	F B ASHLEY	K4MFU
05/01/2001	30938	DOSS, JAMES H	KK5WZ	SMITHVILLE	TX	DONALD R HOLZER	N5JDQ
05/01/2001	30939	HOLMES, CECIL R	K7MKJ	BOISE	ID	CECIL G HOLMES	W7DOH
05/01/2001	30940	WASSON, JAMES A	KB3ESR	STATE COLLEGE	PA	JOHN PASSANEAU	W3JXP
05/03/2001	30941	MULLIS, RHETTMAN A	WB7UGI	PEORIA	AZ	-	-
05/03/2001	30942	WEST, JOHN SAMUEL	K4GMV	CASSATT	SC	F B ASHLEY	K4MFU
05/04/2001	30943	HARVEY, JAMES R	AA3OR	MERCHANTVILLE	NJ	-	-
05/04/2001	30944	SHOTTS, HAROLD DEAN	W6MEB	TORRANCE	CA	-	-
05/07/2001	30945	CUCCIO, STEPHEN J JR	NB3O	WINCHESTER	VA	LELAND W SMITH JR	W4YE
05/07/2001	30946	KIDDER, DENNIS L	WA6NIA	LONG BEACH	CA	-	-
05/07/2001	30947	TYSON, ELLSWORTH	K7LDB	EDMONDS	WA	-	-
05/08/2001	30948	KINDT, NEIL O	W9EFL	MARCELLUS	MI	AL KAHN	K4FW
05/08/2001	30949	ORNER, KENNETH G	WB2HZV	MANCHESTER	NJ	-	-
05/08/2001	30950	TUMMINARO, JOSEPH F	K6JFT	WOODSIDE	CA	JIM WILLIAMS	K6HIO
05/10/2001	30951	SMITH, DALE T	N4EDE	MANASSAS	VA	-	-
05/14/2001	30952	BANKS, STUART	AD4LN	FAYETTEVILLE	GA	-	-
05/14/2001	30953	GANTZ, STAN	W5GZ	SILVER CITY	NM	-	-
05/14/2001	30954	PETERSON, ELDON E	W5UHQ	NEWARK	OH	-	-
05/14/2001	30955	RHODES, JIM	W5TQC	DALLAS	TX	JOHN KING	K5CDV
05/14/2001	30956	SCHWANITZ, NEIL T	WD8CRT	BERKLEY	MI	-	-
05/17/2001	30957	CARTER, ROBERT G	WB8OQT	MUSKEGON	MI	ELMER WOOD	K8ROH
05/17/2001	30958	STELLARINI, RICHARD A	WB8VUN	CANTON	OH	-	-
05/18/2001	30959	MATHESON, LAWRENCE E	WA4BHK	BARNWELL	SC	-	-
05/21/2001	30960	GUPTILL, FRANK E	W01Z	WEST HARTFORD	CT	BETTY STRATTAN	W2PVS
05/21/2001	30961	LITTY, RICHARD C	W8IIK	VERONA	NY	-	-

05/21/2001	30962	HUDSON, DON	KA1TZR	NEW CANAAN	CT	AL COHEN	W1FXQ
05/22/2001	30964	KNAPP, GENE P	W3BAB	GLEN BURNIE	MD	DAYTON	
05/22/2001	30965	LAING, JOHN W	K7PRS	MESA	AZ	DAYTON	
05/22/2001	30966	RIMMER, BARRY	K4MG	SUMMERLAND KEY	FL	DAYTON	
05/23/2001	30967	BARNES, KEN	N8COQ	ROCHESTER HILLS	MI	DAYTON	
05/22/2001	30968	BAKER, FRANK E	KW0L	PONTIAC	IL	DAYTON	
05/23/2001	30968	BITTICK, JAMES	KC5BHF	CEDAR PARK	TX	DAYTON	
05/23/2001	30969	DOLEZAL, RICK	K8RAD	S EUCLID	OH	RICHARD M SHAPPEE	WA5HQJ
05/23/2001	30970	CARUTHERS, DAVID	KF7CG	MECHANICSBURG	OH	DAYTON	
05/23/2001	30971	CUSEY, JAMES E	K9QZ	MORTON	IL	DAYTON	
05/23/2001	30972	DENGEL, DONN S	W9TOC	PALATINE	IL	DAYTON	
05/23/2001	30973	DOWDEN, LELAND A II	WA6LSA	SANTA CLARA	CA	DAYTON	
05/23/2001	30974	FILMER, DAVID L	W9DF	W LAFAYETTE	IN	DAYTON	
05/23/2001	30975	FOWLER, RICHARD L	K8MEG	GRAND BLANC	MI	DAYTON	
05/23/2001	30976	GREGORY, REED R	WB4NLA	MONTICELLO	KY	DAYTON	
05/23/2001	30977	HARRIS, LEON R	N8LH	BATTLE CREEK	MI	DAYTON	
05/24/2001	30978	JOHNSTON, BRIAN	W8TFI	HAZEL PARK	MI	DAYTON	
05/24/2001	30979	JONES, PRESSLEY W	N8UG	LANDRUM	SC	DAYTON	
05/24/2001	30980	LAMPING, GREGORY L	WX8N	CINCINNATI	OH	DAYTON	
05/24/2001	30981	LARKS, LEONARD	WB6QZK	W COVINA	CA	DAYTON	
05/24/2001	30982	CROCKETT, DAVID D	WA9ZCE	INDIANAPOLIS	IN	JIM SELLERS	K9ZBM
05/24/2001	30983	LODIUDICE, STEPHEN M	WI6L	APPLE VALLEY	MN	DAYTON	
05/24/2001	30984	MAXWELL, WILLIAM W	W2WM	WEST PALM BEACH	FL	DAYTON	
05/24/2001	30985	NELLIS, MERTON	W0UFO	ST PAUL	MN	DAYTON	
05/24/2001	30986	OLSEN, JOHN A	WA4ZRG	LEESBURG	VA	DAYTON	
05/24/2001	30987	SCHAFFNIT, CLYDE R	KB8HV	XENIA	OH	DAYTON	
05/24/2001	30988	VALKO, PAUL R	W8KC	OAKLAND	MI	DAYTON	
05/24/2001	30989	WESTERVELT, HARRY A	NA2K	MILLTOWN	NJ	DAYTON	
05/24/2001	30990	ALEXANDER, C KURT	WB9USA	YORKTOWN	IN	DAYTON	
05/24/2001	30991	BENNETT, CLAY C	AB8JE	COLUMBUS	OH	DAYTON	
03/25/2001	30992	BUESINGER, JAMES P	N9FU	TAYLORVILLE	IL	DAYTON	
05/25/2001	30993	STENTZ, GEORGE S	WA4OBR	GREENSBORO	NC	CARLE E STARNES	W4EAT
05/25/2001	30994	CRAIG, ANDY	K3NP	CHARLOTTE	NC	DAYTON	
05/25/2001	30995	GRANTHAM, DICK	VE1AI	DARTMOUTH	NS	DAYTON	
05/25/2001	30996	GREEN, MARTY	K2PLF	STREET	MD	DAYTON	
05/25/2001	30997	HENNINGER, G SCOTT	W8GS	LOVELAND	OH	DAYTON	
05/25/2001	30998	HOOVER, RUSSELL L	W8KQZ	VANDALIA	OH	DAYTON	
05/25/2001	30999	MALLORY, MIKE	NE9O	FOUNTAIN TOWN	IN	DAYTON	
05/25/2001	31000	MUCKLER, MATTHEW J	KY4M	GLASGOW	KY	DAYTON	
05/25/2001	31001	SMITH, JAMES H II	N8AVX	WALDORF	MD	DAYTON	
05/29/2001	31002	VAN DIVER, RONALD H	K9UVK	FT WAYNE	IN	DAYTON	
05/29/2001	31003	TIMAN, TIM	N9TO	WESTMONT	IL	DAYTON	
05/29/2001	31004	TOMAN, CAROL	WD9CNW	WESTMONT	IL	DAYTON	
05/29/2001	31005	CARLSON, WILBUR W JR	KH7E	KEAAU	HI	PAUL D LIEB	KH6HME
05/29/2001	31006	LAMPERT, MURRAY D	VE3HI	RICHMOND HILL	ON	HAROLD BRAUN	VE3DWH
05/29/2001	31007	SHUFF, ALLEN RAY	W9ON	MURPHY	TX	VAL L ERWIN	W5PUT
05/29/2001	31008	SHUFF, PATRICIA ANN	WD4CGF	MURPHY	TX	VAL L ERWIN	W5PUT
05/29/2001	31009	ROGERS, GLENN	WA5ZJK	WICHITA FALLS	TX	CHARLES NEAL	W5NRI
05/31/2001	31010	FARR, VICTOR	K4RUL	MONROE	GA	-	-
06/01/2001	31011	CRAVEN, STEPHEN B	N9SC	WORCESTER	MA	KEVIN LYNCH	N1KL
06/01/2001	31012	GASSER, WILLIAM M	WAOKIU	SACRAMENTO	CA	-	-
06/01/2001	31013	WADE, BRUCE A	N9UR	BROWN DEER	WI	-	-
06/04/2001	31014	PARKINSON, JOSEPH G	VE3JG	OTTAWA	ON	G KEITH BEDAL	VE3GFI
06/04/2001	31015	EVANS, E W	K3WWW	HYNDMAN	PA	-	-
06/04/2001	31016	BJERKE, BRUCE	K7BHB	FLORENCE	OR	SEASIDE	
06/04/2001	31017	PAUL, RUSSELL R	W7ACL	PORTLAND	OR	SEASIDE	
06/04/2001	31018	PERMENTER, TERRY OWEN	K7OI	FREELAND	WA	SEASIDE	
06/04/2001	31019	STEVENS, CARL	WA8ZBQ	BOTHELL	WA	SEASIDE	
06/04/2001	31020	WINTER, CHARLES F	KD7T	VANCOUVER	WA	SEASIDE	
06/05/2001	31021	LEAHY, PALMYRA L	W0NF	PARKER	CO	DAYTON	
06/05/2001	31022	CAMPBELL, RICHARD P	NOEHA	HOLLY HILL	FL	DAYTON	

New Members

06/05/2001	31023	STEELE, MARTHA JANE	W1UKL	CHESHIRE	CT	G DONALD STEELE	W1NFG
06/06/2001	31024	MARINELLI, WILLIAM J SR	K3OK	NAZARETH	PA	-	-
06/07/2001	31025	MAZUREK, ANTHONY	W8CDC	GROSSE ILE	MI	-	-
06/08/2001	31026	HUTTON, BRAD	E1026	BOW	NH	-	-
06/11/2001	31027	BROOME, GORDON L	W8TUW	LOUISVILLE	OH	-	-
06/11/2001	31028	CARR, BRYCE A	KH6AT	HILO	HI	PAUL D LIEB	KH6HME
06/11/2001	31029	CANTINE, THOMAS G	W2TQF	FULTON	NY	JIM MOZLEY	W2BCH
06/11/2001	31030	DOBKINS, CHARLES	W5LCM	DALLAS	TX	DALLAS	
06/11/2001	31031	BESS, CHARLES	WB9MSH	MC KINNEY	TX	DALLAS	
06/11/2001	31032	DOBSON, GEORGE R	WB5ODL	RICHARDSON	TX	DALLAS	
06/11/2001	31033	FINEBERG, BERNARD	WB5UGJ	TEXARKANA	TX	DALLAS	
06/11/2001	31034	HORTON, JOHN C	W5VOV	GARLAND	TX	DALLAS	
06/11/2001	31035	MC CRARY, MICHAEL R	WB5LJQ	SHREVEPORT	LA	DALLAS	
06/12/2001	31036	REASONER, HAROLD	K5SXX	FORT WORTH	TX	DALLAS	
06/12/2001	31037	SMITH, MARTIN F	WD5DZC	HOUSTON	TX	DALLAS	
06/12/2001	31038	STINSON, DAVID L	AB5S	ROCKWALL	TX	DALLAS	
06/12/2001	31039	TURNER, TERRY	W5ETG	ARLINGTON	TX	DALLAS	
06/12/2001	31040	YANT, OLIVER P III	W5AX	MC KINNEY	TX	DALLAS	
06/12/2001	31041	JOHNSON, DAVID A	K7DAJ	SPARKS	NV	-	-
06/12/2001	31042	CALDWELL, WILLIAM C	W5DIF	LIVINGSTON	TX	DALLAS	
06/12/2001	31043	CASEY, THOMAS H	K5THC	ALLEN	TX	DALLAS	
06/12/2001	31044	BASILESCO, JOSEPH	W1NXW	WAKEFIELD	MA	JOE SANTANGELO	N1JS
06/13/2001	31045	REHSE, KENNETH	K8EN	GARDEN CITY	MI	-	-
06/14/2001	31046	FLAHERTY, LAWRENCE H	K9TO	GENESEO	IL	GEORGE ROACH	VE3BNO
06/18/2001	31047	COHN, DARRYL S	WA6YTD	SAN FRANCISCO	CA	JIM WILLIAMS	K6HIO
06/18/2001	31048	GOODMAN, RICHARD E	WA3USG	MECHANICSBURG	PA	RAY SHAUB	W3AXC
06/18/2001	31049	OSBORN, DALE	K1WU	CONCORD	MA	JIM MOZLEY	W2BCH
06/18/2001	31050	ICKSTADT, ALBERT L	W6DYS	SAN DIEGO	CA	STEVE ADAMS	K6PD
06/22/2001	31051	KNIGHT, JAMES L	W2JLK	MATAWAN	NJ	-	-
06/22/2001	31052	KOVAL, JEFFREY A	W2FJY	NOTONAWANDA	NY	-	-
06/22/2001	31053	STANECKER, LAWRENCE G	WA2OLP	GOODE	VA	LELAND W SMITH JR	W4YE
06/22/2001	31054	SWARTZ, JOHN	WA9AQN	PETERSBURG	IL	-	-
06/25/2001	31055	HAMMOND, PAUL G	N2MNO	CLAY	NY	EDWARD J GERSTEN	WB2MWW
06/28/2001	31056	MILLER, LYLE W	WB9OKQ	STAR PRAIRIE	WI	-	-
06/28/2001	31057	ROGERS, TERRENCE EDWARD	D	DURHAM	NC	BILL HUTCHINS	KM4UO
06/28/2001	31058	SOXMAN, FRANCIS J	W3ZVT	UNIONTOWN	PA	-	-
06/29/2001	31059	COWART, MICHAEL	WA5CMI	GARLAND	TX	BOB PETERS	K1JNN



BBC to drop North American short-wave transmissions

The BBC World Service says it's eliminating its English short-wave transmissions to North America, Australia, New Zealand and the Pacific Islands on July 1.

"The Beeb" says it will focus its delivery in English via its FM and medium-wave "re-broadcasting partnerships," together with 24-hour on-line audio service. "We know that our listeners have migrated away from short-wave and are now accessing us on

FM, via the Internet and also in some areas on satellite, cable and on mobile devices," the BBC said.

"In the US, three times as many people listen to us on FM as on short-wave, and one and a half million users access on-line each month." The BBC says the money saved by closing short-wave transmissions to North America will go towards funding its investment in future technologies. It's been reported that the move will save the BBC some \$700,000 a year.

Save BBC World Service

Here's an example of new media being used to save one of the oldest. Shortwave fans are appalled that the BBC World Service has decided to kill its broadcasts to North America and the Pacific as of July 1. This site seeks to rally support behind an effort to reverse that decision. Find out who to contact and what to say, and read why the authors believe this shortwave service is worth saving.

World Wide Web: <http://www.savebbc.org>

Reprinted from Cyberskip Digest July 2001

QCWA Great



BUT



could improve

Just a few opinions from Tom Owens, WB5KHC

Since I was licensed in 1973, and saw the ad in QST for QCWA I have always wanted to be a member of such an auspicious club with its primary requirement being licensed for a "Quarter of a Century" or more! I wondered if I would live to see the day that I would qualify. At the time, twenty five years into the future was a LONG LONG time away.

When I returned to active ham radio last year and was finally eligible to join I searched out the club on the internet and have since joined the national organization and Chapter 41.

I have attended 3 meetings and have a few comments about how a club could be improved.

The club should have at least one "Greeter" like Wal-Mart; someone who intentionally meets, greets and makes sure new people are made welcome. Someone who takes people around, and introduces them and helps them mingle with club members who may have known each other on the air or in person for many years. It is difficult for a new person to break into a close knit group of friends and be accepted. It is especially true when that person has never had a QSO or met them before - it is a very daunting task. I take my wife to the meeting with me so I will have someone to sit and talk with. People are pleasant - they nod and say hello and return to what they were doing but they rarely sit down and stay awhile.

In place of people sitting with the same people month after month at the same table, couldn't we do something different? When you enter the meeting you sign the meeting register and draw a number. The number is the numbered table you are requested to sit at with different people every month and visit and get to know them. Perhaps instead of having individual tables for four people we pull the tables together and make longer tables or put them in a square with an opening in the middle for the speaker to stand and speak from rather than stand at the front of the room and speak at us. Some folks are not as gregarious as others and need a little help. I'm a CW only op and from what I've seen we are a more introverted group than the SSB guys. Don't know why, just an observation.

During the meeting, could we pause and everyone stand individually and tell the membership their name, how long they have been licensed and what their chief interests are and perhaps announce that they would like to speak with anyone who has tried EME, PSK31 or QRP or some other facet of our great hobby that they are unfamiliar with? We could expand and make this exercise the program every other month. Each ham could spend a few minutes telling what equipment he uses, what he would like to do but hasn't yet, or ask for help with a problem; perhaps he needs some tower work done or has a question about his new rig. This sure would go a long long way to making people known to each other and give people a reason to go talk to that fellow and come back next month to do it again. I have been to 3 meetings and there are people there I have no idea who they are, what they like or what interests we might have in common.

There are more people like me who are now eligible to join who meet the 25 year requirement. We must go find them and

give them a reason to come to the meeting AND GIVE THEM A REASON TO COME BACK TO OUR NEXT MEETING. It means there is work to be done rather than taking the "easy way out" and just let anyone join who is a ham for the avowed intent of keeping our club in existence.

Members of QCWA should meet the requirement of being licensed 25 years. The organization should strive to maintain itself as a viable group with members who are personable, have a wealth of knowledge and have a minimum of 25 years experience enjoying our great hobby. If we can't or won't go out and take the time and effort and devise new ways to recruit members, and keep them after they are onboard, then QCWA will do what every other organization does when its members lose interest in its goals; it withers and dies.

Perhaps we need a membership committee with dedicated funds to mail prospective members an invitation to come meet and join the BEST ham radio club in existence. If I hadn't WANTED to join and if I hadn't made an effort to find the club; I would not now be a member. No one called me or sent me a mailing saying, "Hey Tom, come take a look at this bunch of guys and see if you want to join." I didn't see an article in any of the magazines extolling the virtues of being a member of QCWA or even explaining QCWA and what it stands for. I joined because of a 27-year old desire. We are not just another ham club that meets once a month to discuss the repeater/phonepatch. We are the club with members who have been in this hobby for more than 25 years. We built this hobby. We know it inside and out. We are the cream of the crop and we invite YOU to come join us. As it is now, we are sitting on our backsides wondering why we have a declining membership and why people don't come back after visiting.

Perhaps we need someone to put together a QCWA contest that gets some publicity - that is something. When was the last article in QST/CQ/73 about the QCWA? When was the last QCWA contest that generated any real participation? How come we don't have local nets to check into? The club currently appears to be nothing more than a club in name only. No activity, no awards, no publicity, nothing but a bunch of old farts sitting around drinking coffee, talking about the good ole days. And wondering why the younger newer group is joining us.

Fellows, we in fact are a dying club and that guy with the scythe and odd eyes is just 'round the corner!

Although difficult, it be better to recruit members with 25 years plus seniority who share our interests, our past goals and have been there through all the many changes that have taken place in our hobby? Wouldn't it be more enjoyable to talk to another OF (Old Fart) who knows what you are talking about when you speak of tubes, homebrewing, Vibroplexes, taking the test at the FCC office and actually having to SEND and RECEIVE code to prove your proficiency? Someone who has been there, done that.

Tom Owens, WB5KHC licensed 1973 QCWA #30641, Member Dallas QCWA Chapter 41

Chapters on the Air

NO NAME	DAY	TIME NC FREQ	NO NAME	DAY	TIME NC FREQ
SO CALIF CW	SUN	1100L W6WHM 7034	81 LONG ISLAND CH	FRI	2030L K2YAW 146.746
FL SSB	SAT	1300Z W4NWF 3955	85 ARK-LA-TEX CH	MON	WA9PZL 146.67
QCWA SSB	SUN	2000Z varies 14347	87 EVERGREEN CH	SUN	1500Z VARIES 3984
FL SSB	WED	1500Z W4NWF 7274	89 PALMETTO CH	SUN	1700L VARIES 3695
NE	SUN	0845L W2AUF 3917	89 PALMETTO STATE CH	SAT	0900L K4MFU 3930
QCWA CW	WED	2000E varies 7035	91 VIC CLARK CH	SUN	0900L VARIES 146.79
1 CLEVELAND CH	WED	2000L W8LYDW 146.88	92 NORTHERN LIGHTS	SUN	2000L KL7CDG 146.97
2 CHICAGO AREA CH	1stTh	W9MQL 147.15	94 ROADRUNNER CH	WED	1400L WB5YYX 146.72
4 NORTHWEST CH	SUN	1200L W7PN 3952	95 EASTERN NY	SUN	1130L WB1M 3900
4 NORTHWEST CH	SUN	0800L W7PN 3650	96 GATEWAY CH	SAT	1600Z W4KGT 3937
5 DELAWARE VALLEY CH	SUN	0945L W2UAE 3917	102 DAKOTA CH	SUN	1400Z VARIES 3889
6 PITTSBURGH CH	SUN	0830L W8CSU 147.03	105 MIDDLE TN CH	THU	2000L VARIES 146.91
7 SOUTHERN CA	SUN	1000L W6ZRZ 147.36+	106 GERMAN CH	MON	DLOQCW 3669
7 SOUTHERN CA	SUN	0900L W6WHM 3917	106 GERMAN CH	TUE	1700Z DL1MEB 3573
7 SOUTHERN CA	SUN	1100L W6WHM 7234	107 CENTRAL FL	THUR	1230L W4LHP 14245
8 UPPER MIDWEST CH	SAT	0800L W0KHG 3877	107 CENTRAL FL	SAT	0900L W4LHP 7243
9 SOUTHWEST OH	SUN	1330L K8YDP 3975	108 BEAVER STATE CH	WED	0800L W7LVN 3926
10 MICHIGAN CH	SUN	0800L VARIES 3903	109 BATON ROUGE CH	SUN	2000L VARIES 146.79
11 NORTHERN CA	SAT	1000L W8AQR 146.85-	109 BATON ROUGE CH	SUN	0830L VARIES 3905
11 NORTHERN CA	SUN	0930L WA6AFT 3907	110 KANSAS CH	SAT	0730L KA0RZO 3920
14 SAN DIEGO CH	WED	2000L K6QS 145.52	112 YANKEE CH	SUN	0830L W1GCA 3903
16 ARIZONA CH	SUN	0630L W7ER 3890	114 NORTH TEXAS CH	SAT	0830L WA5BXH 3941.5
17 ALLENTOWN-BETHLEHEM	SUN	1200L VARIES 3990	122 LAKE ERIE TRI-STATE	SUN	0915L W3QPP 3916
19 MISSOURI CH	WED	1930L W8VHL 147.15+	123 LEE DEFEST CH	SAT	0730L VARIES 3940
20 BALTIMORE CH	MON	2100L W3EE 147.285	126 PIEDMONT CH	SAT	0845L VARIES 3935
21 CANTON OH CH	THU	1930L WA8DRT 147.180	128 PELICAN CH	SAT	0900L VARIES 145.29
25 NEBRASKA CH	TUES	VARIES 146.94	130 INLAND EMPIRE	WED	1930L W6HV 1.896MH
25 NEBRASKA CH	SAT	1430Z VARIES 3982	130 INLAND EMPIRE	FRI	1600L W6HV 3862
28 CENTRAL NY	SUN	1030L K2MFB 3917	130 INLAND EMPIRE	SAT	0800L W6HV 3862
29 FINGER LAKES CH	SUN	1230L W2BCH 3900	131 GULF COAST CH	TUE	0900L VARIES 28750
31 READING,PA CH	MON	VARIES 146.91	134 PINE TREE	SUN	1930Z VARIES 3942
32 GATOR CH	SAT	0900L VARIES 145.29	135 MID-MICHIGAN CH	TUE	2000L VARIES 146.70
33 GUNDERSON PENN-JERSEY DAILY	W3APE 3987		138 MARCONI CH	TUE	2100L VARIES 147.045
35 MIDCONTINENT CH	THU	2030L K0YML 146.97	140 WYOMING CH	SAT	0800L W7MZWV 3923
36 NORTHWEST IN	THU	2000L N9MRS 3703	141 HI-PLAINS CH	SAT	0900L W5MVJ 3933
36 NORTHWEST IN	WED	1930L N9MRS 147.495	142 NORTHWEST OH	WED	2000L W8FO 147.27+
37 HARRISBURG CH	WED	2100L K3IUY 147.12	143 NORTH CO CH	SUN	0830L VARIES 145.115
38 SAN ANTONIO CH	SUN	2030L W5HRF 28650	146 TWIN STATE CH	SUN	0830L WA1NBI 3897
41 DALLAS CH	SUN	0715L varies 3835	149 NUTMEG CH	SUN	1130L W1KHL 3923
42 MOHAWK VALLEY CH	LSUN	VARIES 145.45	150 DEL-MAR-VA CH	SUN	0900L K3PFW 146.280
45 CITRUS CH	TUE	1930L VARIES 147.195	151 WILD ROSE CH	MON	1900L VARIES 3747
46 FOUNDER'S CH	SUN	0845L W2AUF 3917	152 ROYAL PALM CH	T-TH	1300L K4FA 14178
46 FOUNDER'S CH	THU	2030L W2AUF 147.36	152 ROYAL PALM CH	MWF	1300L W4LZV 7220
48 TREASURE COAST CH	DLY	KD2XD 7153	154 LEO MEYERSON CH	THUR	1830L K6AWO 145.480
48 TREASURE COAST CH	DLY	KD2XD 14.176	157 PONY EXPRESS CH	SUN	0830L W0GGP 3955
49 PEACH STATE CH	WED	2000E W9BKJ 145.41	160 UTAH CH	SAT	1100L VARIES 7272
49 PEACH STATE CH	SAT	0900E W9BKJ 3857.5	162 SOUTHEAST WI	THUR	2100L N9NBC 147.27
51 TEX-LA GOLDEN TRI	MON	WA5YCW 146.86	165 YORK COUNTY PA	WED	2100L W3AXC 146.97
54 TYLER CH	MON	W5RRM 28.650	169 SACRAMENTO VALLEY	M/THU	1730L VARIES 3947.5
55 WI CH	SUN	0830L VARIES 3985	173 GOLDEN TRI CH	TUE	1930L W9JRY 147.255
58 CO CH	SUN	0900L W9KRE 3905	174 WI BADGER	SUN	1600L VARIES 146.82
58 CO CH	SUN	0930L VARIES 146.67	180 FOOTHILLS / OZARK	SAT	0800L KODEW 3861
62 SUWANNEE CH	SAT	0900L W4PFJ 3940	181 HUDSON VALLEY CH	TUES	2030L WA2RRK 147.060
63 CENTRAL OK CH	THUR	W5AS 145.41	181 HUDSON VALLEY	SUN	0815L W2OZA 3917
63 CENTRAL OK CH	SUN	0800L W5AS 3855	182 NORTHEAST TN	SUN	2100L W4EHI 145.110
64 EL PASO CH	SAT	0830L W5RO 3933	183 PIONEER CH	SUN	1030L W1ALL 3923
65 NIAGARA FRONTIER	SUN	1330L W2SD 3900	188 LOST RIVER CH	1ST W	1915L K7RFO 146.85
67 AUSTIN CH	SAT	0900L N5WU 3920	191 MONTEREY BAY CH	TUES	1930L W6TUW 146.70
70 NATIONAL CAPITAL	THUR	VE3OCW 147.03	192 PUERTO RICO CH	WED	1900Z VARIES 146.850
73 SOUTHERN ONTARIO	SUN	0900L VE3AGS 3773	194 HAWAII CH	1st S	1500L VARIES 7088
75 CENTRAL CA COAST	SAT	0800L VARIES 3917	195 SUN CITY CH	SAT	0900L VARIES 145.29
76 BLUE RIDGE CH	SAT	1000L W4LSK 3930	196 EDISON CH	DAILY	0730L VARIES 147.345
77 NORTHERN NJ	SUN	1300L N2XJ 3917	196 EDISON CH	DAILY	0730L VARIES 147.345
77 NORTHERN NJ	THUR	W2IET 147.030	198 MID SIERRA CH	SAT	0700L W6JTA 3906
79 SUNFLOWER CH	WED	2100L VARIES 146.82	199 PHIL LEIBLE CH	SUN	0930L WA0ZNI 3905
81 LONG ISLAND QCWA CH	SUN	1130L W2TLC 3917	203 GILBERT CROSSLEY	2WED	2000E VARIES 146.85

Member Classified

Wanted: COLLINS KWM2A; Davco DR-30; Drake DSR-1, 2, R7, 1A; Squires Sanders Hallicrafters SX-88, SX-73, SX-115; ARC-5 Equipment. Steve, K6PFW, 848 N. Silverwood, Upland, Ca. 91786, Ph. 909-985-1062, E-mail: wsbarnes@eee.org.

INFORMATION: 1st Army, 3rd Armored Division, 33rd Armored Regiment - Cologne Germany 1945 - Lt. Bill Farrington. Any hams familiar have any information? Please contact Jack Farrington W6DGF. E-mail: hideho@socal.rr.com

Wanted: EICO MODEL 730 Modulator with or without tubes. Wayne j. Flickinger W9BKJ 1445 Bentcreek Dr. Marietta, GA 30062-3039 PH: 770-321-1849 e mail w9bkj@juno.com

Wanted: Spring 2000 issue QCWA Journal. Contact: W6GP Lyman Beman 6468 Lada Avenue Camarillo, Ca 93012 805-389-6500 e-mail: w6gp@juno.com

Wanted: KWM380 with all filters. Mint condition. W5KX. Roy Matthews, 50 Red Fox Drive, Pisgah Forest, NC 28768. email: matthewsroy@citcom.net. (828)877-3887.

Wanted: Miller auto. Ant. Tuner. circa 1985. Users present/past desired. E-Mail ralphk6qs@webtv.net. Ph 619-435-8483. Ralph K6QS.

WANTED: Ham band (CW band) FT-243 crystals. Tom Webb W4YOK, 3533 Teakwood Lane, Plano, TX 75075 Sam9lives@msn.com

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: **WANTED, FOR SALE, FREE**, etc count as 1 word; your address counts as 6 words.

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This form for use by all U.S. applicants
for membership in QCWA.
Effective 4/1/96

For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____

(Please Print Name Clearly)

Present Callsign _____

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____

City _____

State _____

Zip _____

I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____

I wish to become affiliated with QCWA Chapter _____

Date of birth _____ Birthplace _____

Present occupation/business _____

If retired, what was major life work? _____

Other organizations you belong to _____

Your signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	Family	
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QCWA dues for a two-year period	\$35		_____
QCWA dues for a three-year period	\$50	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments			
of \$105 each, in a one-year period	\$315	\$105	_____
		(3 payments of \$35)	_____

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

